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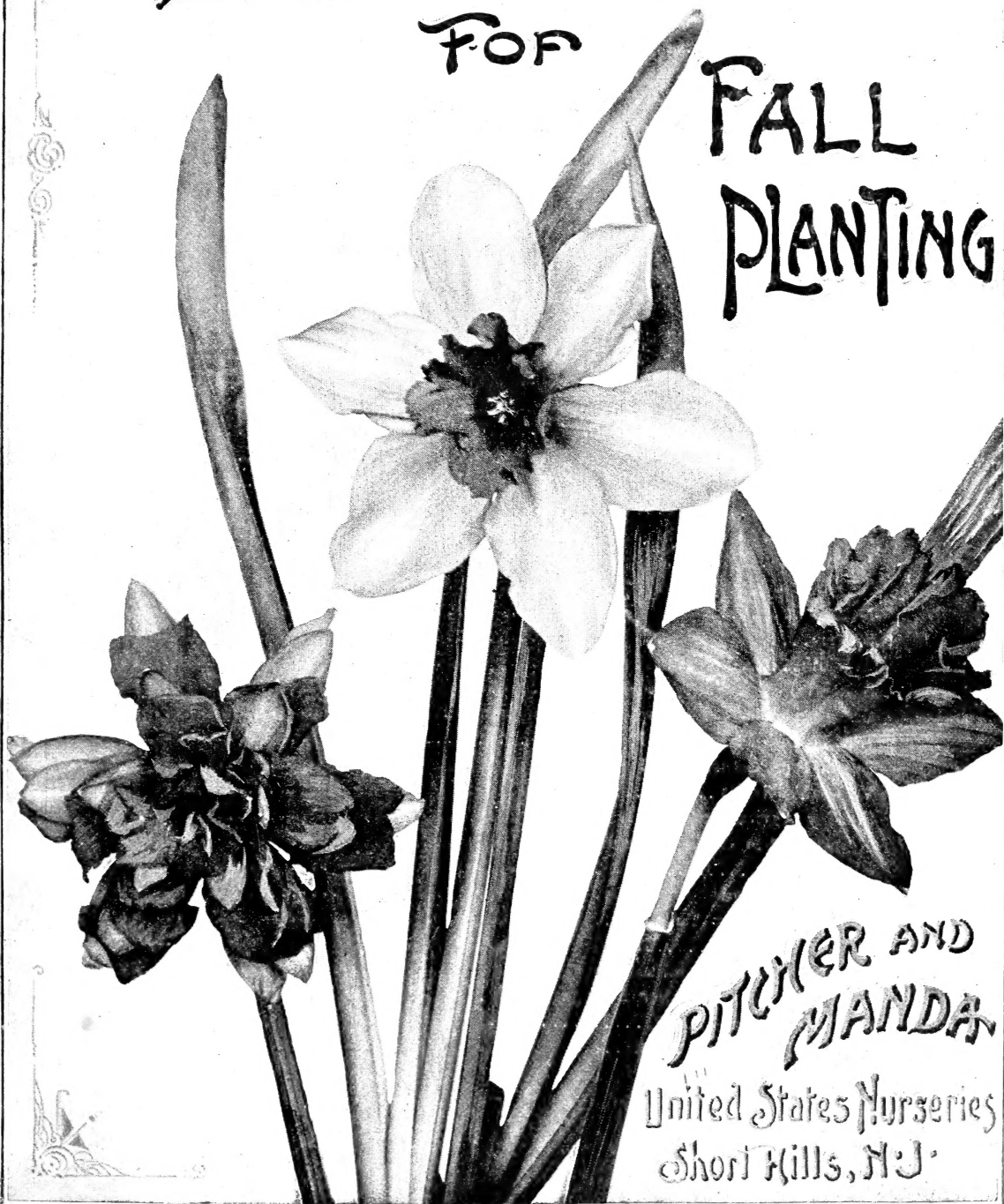
# BULBS, SEEDS AND PLANTS



1892

FOR

## FALL PLANTING



PITCHER AND  
MANDA

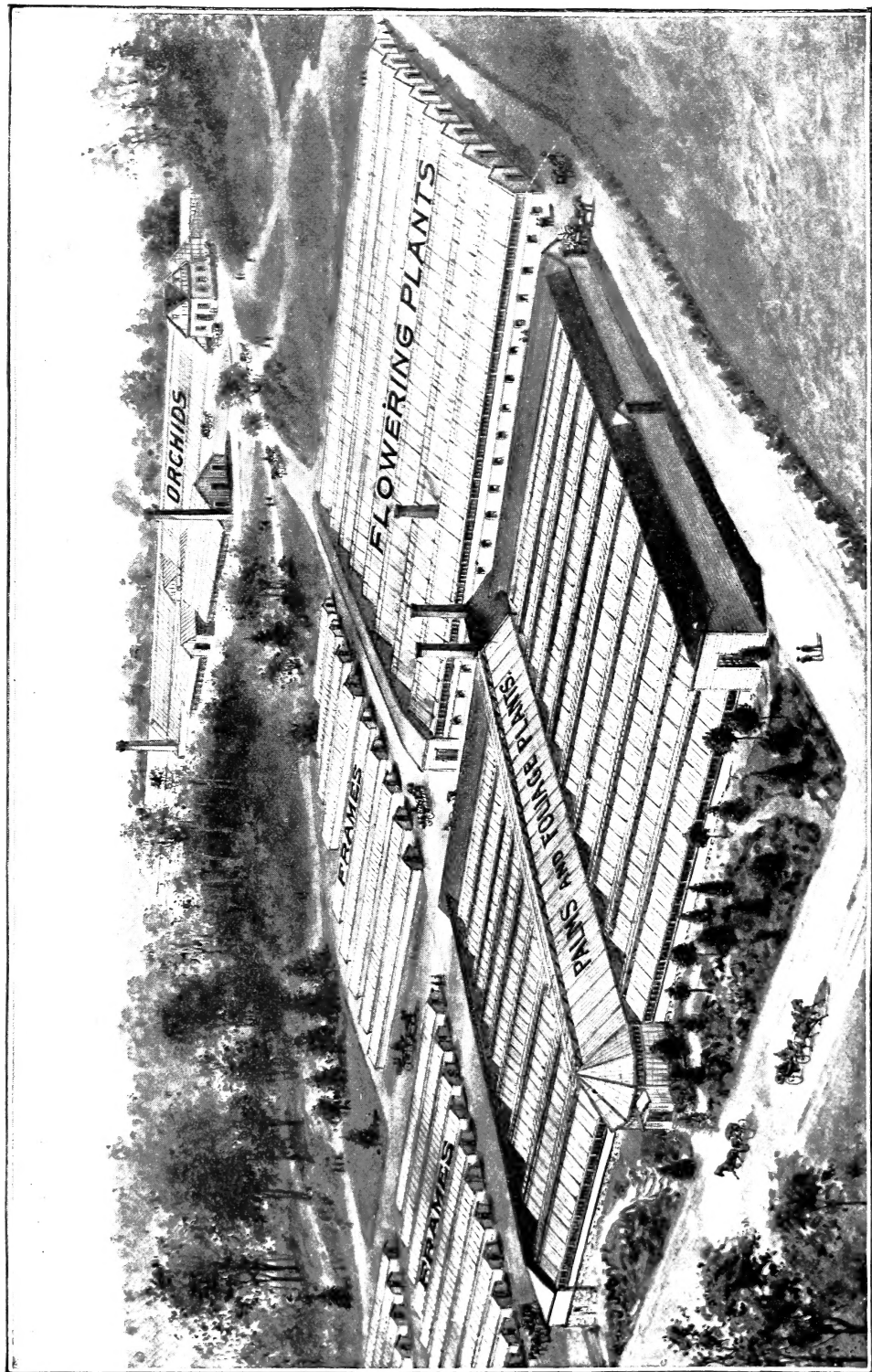
United States Nurseries  
Short Hills, N.J.

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PARTIAL VIEW OF THE UNITED STATES NURSERIES' GREENHOUSES AT SHORT HILLS, NEW JERSEY. PITCHER & MANDA, PROPRIETORS.

JAMES R. PITCHER

W. ALBERT MANDA

AUGUST 1, 1892

ILLUSTRATED DESCRIPTIVE CATALOGUE

OF

# BULBS AND ROOTS

FOR FALL PLANTING

AND

## SEEDS FOR FALL SOWING

WITH

A BRIEF LIST OF MISCELLANEOUS IMPLEMENTS

AND ALL KINDS OF GARDEN REQUISITES

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The United States Nurseries  
PITCHER & MANDA

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European Branch:

HEXTABLE, SWANLEY, KENT, ENGLAND

*Cable Address: Manda, Hextable*

Short Hills, New Jersey

*Cable Address: Pitcher, New York*

# **TIME-TABLE OF TRAINS BETWEEN NEW YORK AND SHORT HILLS.**

Extract from a much longer list, but hours here given are best suited to visitors.

FROM NEW YORK.		TO NEW YORK.	
Leave New York, Christopher or Barclay Street.	Arrive Short Hills.	Leave Short Hills.	Arrive New York.
7:30 A. M.	8:34 A. M.	7:53 A. M.	8:50 A. M.
7:50 "	8:54 "	8:35 "	9:20 "
8:30 "	9:40 "	9:00 "	10:00 "
10:10 "	11:17 "	9:50 "	11:00 "
11:10 "	12:19 P. M.	10:20 "	11:30 "
1:30 P. M.	2:37 "	10:55 "	12:00 M.
2:30 "	3:39 "	12:14 P. M.	1:20 P. M.
		1:44 "	2:40 "
		3:00 "	4:10 "
		5:05 "	6:10 "
		5:25 "	7:30 "

# TO OUR CUSTOMERS.



**IN THE PAST SEASON** it has been very gratifying to us to read the many kind recommendations to new customers with which we have been favored. Should the friends of any of our customers require Bulbs, Seeds, etc., to whom a copy of our Catalogue would be acceptable, for intimation of the fact we shall feel much obliged.

**TERMS.**—Accounts are made up monthly. Our patrons are requested to remit by checks, express or P. O. money-orders on New York post-office, or currency in registered letters, as we cannot be responsible for money in unregistered letters. From unknown correspondents either a remittance or a reference is required with each order.

**POSTAGE AND EXPRESS-CHARGES.**—All bulbs and dry roots offered singly or by the dozen, all seeds offered by the packet or ounce, and all books, are sent postpaid at the prices mentioned. Or if sent by express, extra quantity will be included which will more than compensate for express-charges. We would recommend customers to have their goods shipped by express, as it enables us to send larger bulbs and plants; we can also guarantee the safe arrival of all goods sent by express, but everything sent by freight is at purchaser's risk.

**NO CHARGES** are made for boxes, packing or delivery to the railroad or express-office. Goods are carefully packed and may be safely forwarded to any part of the globe.

**ORDERS ARE SOLICITED** at as early a date as possible, that we may have ample time for their execution. Please write plainly, *name, post-office, express-office*, and any other information as to the best method of forwarding. Order Blank is enclosed.

**COMPLAINTS**, if any, should be made on receipt of goods. We promise prompt and just treatment of all claims presented.

**HEAD GARDENERS AND ASSISTANTS.**—We have on our register names of several practical and trusty men for above positions, and will be happy to recommend them to any lady or gentleman requiring their services.

**THE UNITED STATES NURSERIES** are situated in Short Hills, N. J., on the D. L. & Western R. R., only 17 miles from New York city, with frequent trains.

**VISITORS** are welcome at any time. A personal visit will facilitate selection of plants, and afford an opportunity of seeing the extent of our establishment. See timetable of convenient railway trains, on back of title-page.

## TIME OF DELIVERY AND SHIPMENT.

The many kinds of bulbs herein catalogued ripen and are in condition for shipment at different seasons of the year. We give below the month in which each of the leading kinds is ready, to assist our customers in deciding whether their orders shall be held for one shipment or forwarded in part as the bulbs are ready for delivery.

Roman Hyacinths . . . . .	August	Lilium candidum . . . . .	August	Calla-lily, dry bulbs . . . . .	September
Narcissus, Paper White . . . . .	"	" longiflorum . . . . .	"	Ixias . . . . .	"
" Poeticus ornatus . . . . .	"	" Harrisii . . . . .	"	Iris . . . . .	"
" Trumpet major . . . . .	"	Dutch Hyacinths . . . . .	September	Narcissus, Chinese Sacred . . . . .	Oct.
Allium Neapolitanum . . . . .	"	Tulips . . . . .	"	Spirea Japonica . . . . .	November.
Jonquil Campanelle . . . . .	"	Narcissus . . . . .	"	Lily-of-the-valley . . . . .	"
Ornithogalum Arabicum . . . . .	"	Crocus . . . . .	"	Lilium auratum . . . . .	"
Anemone fulgens . . . . .	"				

# SPECIAL OFFER

OF

## ▲ B·U·L·B·S ▲

**TO WHICH WE CALL SPECIAL ATTENTION WHERE LARGE  
QUANTITIES ARE WANTED FOR FORCING  
AND BEDDING PURPOSES.**

On this and the following page is simply a condensed list of the principal flowering bulbs usually planted in large numbers for bedding and cut-flower purposes during the winter, which will be found exceptionally advantageous to those requiring bulbs in quantity, as the prices are similar to those usually offered to the trade.

☞ 25 furnished at 100 rate, 250 at 1,000 rate.

### **HYACINTHS, DUTCH.**

	Per 100	Per 1,000
Double and Single Choice Named Varieties. Red, Blue, and White; most suitable for forcing or bedding, our selection . . . . .	\$7 00	\$65 00
Mixed, Unnamed Varieties. Colors separate. Suitable for forcing and bedding. Single and Double in equal quantities of each color . . . . .	4 00	38 00

For other varieties and prices, see pages 7-11.

### **HYACINTHS, ROMAN, EARLY WHITE.**

Selected Bulbs, 5½ inches and above in circumference . . . . .	4 00	35 00
First Size, 4¾ inches and above in circumference . . . . .	3 00	28 00
Second Size, 4⅜ inches and above in circumference . . . . .	2 50	23 00

For other varieties and colors, and their prices, see General List, page 11.

### **TULIPS FOR FORCING AND BEDDING.**

Best Named Single and Double Varieties, Yellow, White, Striped Rose and Scarlet, in equal quantities, separate colors, our selection . . . . .	2 25	20 00
Mixed Colors, Finest Double or Single Mixed . . . . .	1 50	12 00

For other varieties and prices, see pages 13-16.

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.

**LATE-FLOWERING SINGLE SHOW TULIPS.**

This class of Tulips is becoming each year more in demand, and no variety is better adapted to open-air cultivation, as they are very showy and contain a great variety of color. The flower is usually double the size of the ordinary Single Tulip, and is much more lasting, flowering when other varieties are past.

	Per 100	Per 1,000
Parrots Mixed, finest sorts .....	\$1 25	\$10 00
Bizarres .....	1 25	10 00
Byblæmens .....	2 50	20 00
Gesneriana (Said to be the best of this class) .....	1 50	12 00

**LILIUM HARRISII.**

(Bermuda Easter Lily.)

6 to 7 inches in circumference .....	5 00	45 00
8 to 9 " " " .....	7 00	65 00
10 to 11 " " " .....	20 00	

**LILIUM LONGIFLORUM.**

5 to 7 inches in circumference .....	5 00	45 00
7 to 9 " " " .....	7 00	65 00
9 to 11 " " " .....	20 00	

**LILIUM CANDIDUM.**

Extra-Large Selected Bulbs .....	5 00	45 00
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**LILIUM AURATUM.**

Large Fine Bulbs, 11 to 13 inches in circumference .....	15 00	
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For other varieties and prices of Lilium see page 23.

**NARCISSUS.**

Von Sion, Double Trumpet Yellow Daffodils, selected bulbs .....	3 00	25 00
Double White Sweet-Scented .....	2 00	15 00
Double Yellow .....	2 00	15 00
Poeticus (Pheasant's-Eye, or Poet's Narcissus) .....	1 00	8 00
Paper White (Polyanthus variety), selected bulbs .....	2 00	15 00
Paper White Grandiflora, improvement on above, much larger flowers .....	2 50	20 00
Chinese Sacred .....	10 00	

For other varieties and prices see General List, page 19.

**OTHER GOOD FORCING AND USEFUL BULBS.**

LILY-OF-THE-VALLEY. Extra three-year-old Berlin pips .....	1 75	12 00
Per box containing 2,500 .....	\$28..	
FREESIA refracta alba .....	1 50	12 00
ALLIUM Neapolitanum .....	2 00	15 00
ASTILBE Japonica, Strong clumps .....	10 00	75 00
JONQUIL, Campenelle .....	2 00	15 00
ORNITHOGALUM Arabicum .....	4 00	
ANEMONE fulgens .....	3 00	25 00
HELLEBORUS niger .....	15 00	
CHIONODOXA Lucilæ .....	1 50	10 00

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.



SNOWDRIFT HYACINTH, SINGLE WHITE. (See page 9.)



# GENERAL LIST OF BULBS.

## HYACINTHS.

**H**YACINTHS are among the most esteemed and universally grown of all bulbous plants, and they well deserve the honor. Their pretty spikes of flowers, varying through all shades of red, rose, purple, blue, and yellow to white, are among the earliest and most beautiful flowers of early spring-time, and by forcing and careful management in keeping a succession, hyacinths may be had in bloom nearly all winter and up to the end of May.

For pots the best soil is a mixture of fibrous loam and manure in equal parts, with the addition of some sand. Before subjecting the plants to heat they should be well rooted; they may be kept in a cool cellar and brought into heat in succession as the flowers are wanted. They may also be grown in water. Soft rain-water should be used and the bulbs inserted in moss so that their base is just in contact with the water, in which a few pieces of charcoal should be placed, as otherwise the water will become offensive and will require changing. They should be kept in a dark place until the roots are emitted, when they may be brought into light.

For outdoor flowering they should be planted in October or November, preferably the former, as the sooner they are in the ground the better. They succeed best in a light soil and sunny situation, and for a good display should be planted about nine inches apart each way and about three inches deep, care being taken to place all at an equal depth. They require little other attention till after flowering-time, when, after the foliage has withered, they may be taken up and kept in a cool place till planting-time again in the fall.

### CHOICE NAMED SINGLE HYACINTHS.

Single hyacinths are preferable to double ones, as they always produce larger spikes and force more easily; they also do better in water than the double varieties. The named varieties are of stronger growth and higher cultivation, and will give better satisfaction.

		SINGLE RED.		Postage or Express	
		100 of any one variety sold at 1-3 less than dozen rates.		-Prepaid-	
				Each	Per doz.
Amy.	Dark crimson; fine spike			\$0 10	\$1 15
Appelius.	Crimson			15	1 75
Baron van Thuyll.	Very fine pink; splendid compact spike			15	1 75
Cosmos.	Dark rose			15	1 75
Gertrude.	Rosy pink truss			15	1 75

Bulbs offered singly or by the dozen are sent by mail prepaid at these prices.

## SINGLE RED HYACINTHS—CONTINUED.

	Each	Per doz
	\$0 12	\$1 40
Gigantea. Large compact truss		
Jenny Lind. Good spike	12	1 40
L'Ami du Cœur. Dark red; fine	10	1 15
Lord Derby. Fine red; fine bulb	25	2 50
Lord Macaulay. Bright crimson-carmine	20	2 00
Maria Cornelia. Light rose; fine truss; early	20	2 00
Norma. Large waxy pink bells	15	1 75
Queen Victoria (Alexandrina). Deep scarlet	20	2 00
Robert Steiger. Extra-deep crimson	10	1 15
Sir Henry Havelock. Fine	25	2 50
Sultan's Favorite. Pink shaded; good truss	12	1 40
Veronica. Extra-dark red	10	1 40

## SINGLE BLUE.

100 of any one variety sold at 1-3 less than dozen rates.

	Each	Per doz.
	\$0 12	\$1 40
Argus. Blue, white eye; extra		
Baron van Thuyll. Deep blue; compact truss	12	1 40
Bleu Mourant. Extra-distinct color	12	1 40
Charles Dickens. Porcelain-blue, large truss	10	1 15
Christie Minstrel. Dark blue	20	2 00
Czar Peter. Handsome; large spike; beautiful color	15	1 75
General Havelock. Splendid, purple	25	2 50
General Pelissier. Large bulb	20	2 00
Grand Lilas. Azure blue; perfect spike	20	2 00
King of the Blues. Long truss; extra	25	2 50
La Peyrouse. Clear blue	15	1 75
Leonidas. Fine spike	15	1 75
Lord Derby. Beautiful porcelain-blue	30	3 00
Lord Palmerston. Pale lilac-blue, white eye	20	2 00
Marie. Large fine spike	10	1 15
Mimosa. Large, splendid	12	1 40
Orondatus. Good bells; extra	20	2 00
Othello. Dark blue	12	1 40
Porcelain Sceptre. Light blue	20	2 00
William I. Early; very large truss	15	1 75

## SINGLE WHITE.

100 of any one variety sold at 1-3 less than dozen rates.

	Each	Per doz
	\$0 10	\$1 15
Alba Superbissima. Pure white; fine truss		
Baron van Thuyll. Large bells	12	1 40
Blanchard. Pure white; fine forcer	15	1 75
Cleopatra. Broad truss; waxy white	12	1 40
Elfride. White, shaded with light pink; large	15	1 75
Grand Vainqueur. Pure white	20	2 00
Grande Vedette. Earliest pure white	12	1 40
Grandeur à Merveille. Splendid blush-white	10	1 15
La Candeur. Snowy white; dwarf; fine	15	1 75

Bulbs offered singly or by the dozen are sent by mail prepaid at these prices.

## SINGLE WHITE HYACINTHS—CONTINUED.

	Each	Per doz.
La Franchise. Cream-white; very large bulb.....	\$0 12	\$1 40
Lord Granville (Semiramis). Blush-white; large bells .....	10	1 15
Madame van der Hoop. Pure white; large bulb: fine .....	20	2 00
Mont Blanc. Fine bulb; one of the best .....	30	3 00
Seraphine. Splendid cream-white .....	20	2 00
Snowdrift. Pure white; large bells; compact truss. The best single white variety .....	20	2 00
Voltaire. Pale blush-white; large fine bells .....	10	1 15
Vesta. Large spike; creamy white.....	10	1 15

## SINGLE YELLOW.

	Each	Per doz.
☞ 100 of any one variety sold at 1-3 less than dozen rates.		
Alida Jacoba. Fine citron-yellow.....	\$0 15	\$1 75
Herman. Orange-yellow .....	10	1 15
Heroine. Bright citron.....	20	2 00
La Citroniere. Clear yellow; one of the best.....	25	2 50
Le Pluie d'Or. Pale yellow; fine bells .....	20	2 00

## CHOICE NAMED DOUBLE HYACINTHS.

## DOUBLE RED.

	Each	Per doz.
☞ 100 of any one variety sold at 1-3 less than dozen rates.		
Acteur. Dark rose; large bells .....	\$0 10	\$1 15
Alida Catherina. Deep red, green tips .....	25	2 50
Bouquet Royal. Pink, dark red center.....	20	2 00
Bouquet Tendre. Dark red; large truss .....	12	1 40
Czar Nicholas. Rich rose .....	10	1 15
Grootvorst. Fine rose; good truss.....	10	1 15
Noble par Merite. Splendid truss.....	20	2 00
Panorama. Dark rose; fine .....	15	1 75
Perruque Royal. Pink.....	20	2 00
Regina Victoria. Dark rose; large spike .....	12	1 40

## DOUBLE BLUE.

	Each	Per doz.
☞ 100 of any one variety sold at 1-3 less than dozen rates.		
A la Mode. Clear blue, dark center. ....	\$0 25	\$2 50
Albion. Purplish blue.....	15	1 75
Blocksberg. Extra-good spike.....	15	1 75
Bride of Lammermoor. Good dark blue.....	12	1 40
Crown Prince of Sweden. Large spike .....	10	1 15
Garrick. Azure-blue; large compact spike .....	20	2 00
General Anthink. Violet-blue; large center .....	10	1 15
Lord Wellington. Blue, striped with lilac .....	20	2 00
Mignon de Drijfhout. Half double; very fine.....	15	1 75
Pasquin. Dark center, striped.....	12	1 40
Rembrandt. Light blue .....	10	1 15
Richard Steele. Fine light blue .....	20	2 00

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted

**DOUBLE WHITE HYACINTHS.**

100 of any one variety sold at 1-3 less than dozen rates.

	Each	Per doz.
Anna Maria. Bluish white, purple eye.....	\$0 20	\$2 00
Bouquet Royal. Pure white; yellow center, large truss .....	15	1 75
Duchesse de Bedford. Extra-pure white .....	12	1 40
Grand Vainqueur. Pure white; large bells .....	15	1 75
La Deese. Pure white; good .....	20	2 00
La Tour d'Auvergne. Pure white; large.....	25	2 50
La Virginite. White, with rosy center.....	10	1 15
Prince of Waterloo. Pure white; large bells .....	15	1 75
Violet Superbe. White violet center; late.....	20	2 00

**DOUBLE YELLOW.**

100 of any one variety sold at 1-3 less than dozen rates.

	Each	Per doz.
Bouquet d'Orange. Rosy orange .....	\$0 20	\$2 00
Goethe. Sulphur-yellow; very double.....	25	2 50
Jaune Supreme. Splendid pure yellow .....	25	2 50
Louis d'Or. Dark yellow .....	20	2 00
William III. Very fine yellow, rose center.....	30	3 00

**UNNAMED MIXED HYACINTHS FOR BEDDING.**

Useful for cut-flowers and open-air culture, though the spikes are not quite so large and perfect as in the named sorts.

	SINGLE			DOUBLE		
	Each	Per doz.	Per 100	Each.	Per doz.	Per 100
Light Blue.....	\$0 08	\$0 65	\$4 00	\$0 10	\$0 65	\$4 00
Dark Blue.....	08	65	4 00	10	65	4 00
Red and Rose .....	08	65	4 00	10	65	4 00
Dark Red .....	08	65	4 00	10	65	4 00
Pure White.....	08	85	5 00	10	1 00	5 00
Blush-White.....	08	85	5 00	10	95	5 00
Yellow, all shades .....	08	75	4 50	15	1 10	8 00
All Colors, Mixed .....	06	60	3 50	06	60	3 50

**HYACINTHUS CANDICANS.**

(CAPE HYACINTH.)

The flowers, creamy white and sweet-scented, are produced in a raceme at the top of the tall flower-stalk, which is often 4 to 5 feet high, resembling an immense Hyacinth, each bulb producing several spikes. Well suited for planting in the border or in groups in the lawn, and excepting in the most exposed situations will be hardy with the protection of leaves or litter during the winter. Or the bulbs may be lifted in the fall and planted out the following spring.....  
..... 8 cts. each, 75 cts. per dozen.

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.

## EARLY ROMAN HYACINTHS.

These may be had in flower before Christmas, by the amateur, under the simplest treatment, when their fragrant flowers are most valuable for bouquets. Each bulb produces two or three spikes of pure white fragrant flowers. Four to six bulbs should be planted in a pot; the blue and rose are about two weeks later than the white. Thousands of bulbs are forced every winter by the florists of our larger cities.

	Each	Per doz.	Per 100
White, First size.....	\$0 06	\$0 60	\$3 00
Blue.....	06	60	3 00
Light Pink or Rose.....	06	60	3 50
Dark Pink or Rose.....	06	60	3 50
Yellow.....	15	1 00	5 00
White Italian or Red-Skin Roman. Two weeks later in flowering than the White Roman.....	06	60	3 00

## MINIATURE HYACINTHS.

If a dozen or more bulbs are planted in one large pan or pot they will make a very pretty show. They may also be grown in water, which is a favorite method with the European gardeners who grow them for exhibitions.

	Each	Per doz.	Per 100
Many varieties to name and color.....	\$0 05	\$0 50	\$3 50
Mixed varieties.....	05	40	3 00

## GRAPE HYACINTHS.

Slender spikes about six inches high, of little, globular flowers, resembling somewhat a bunch of grapes. They are perfectly hardy, and when once planted will take care of themselves. Admirable for borders or for any shady situation..... 5 cents each, 25 cents per dozen, \$1.50 per 100.

## FEATHERED HYACINTHS.

This is a very pretty variety, flowers of which have a fimbriated or feathered edge. The spikes are ten to twelve inches high and very striking. Suitable for planting in the open ground. 5 cents each, 40 cents per dozen, \$2.25 per 100.

## MUSK HYACINTHS.

The flowers, which are purplish in color, have a musk-like odor. Useful for either pots or the open ground..... 15 cents each, \$1.50 per dozen.

SOUTH ORANGE N. J. June 9, 1892.

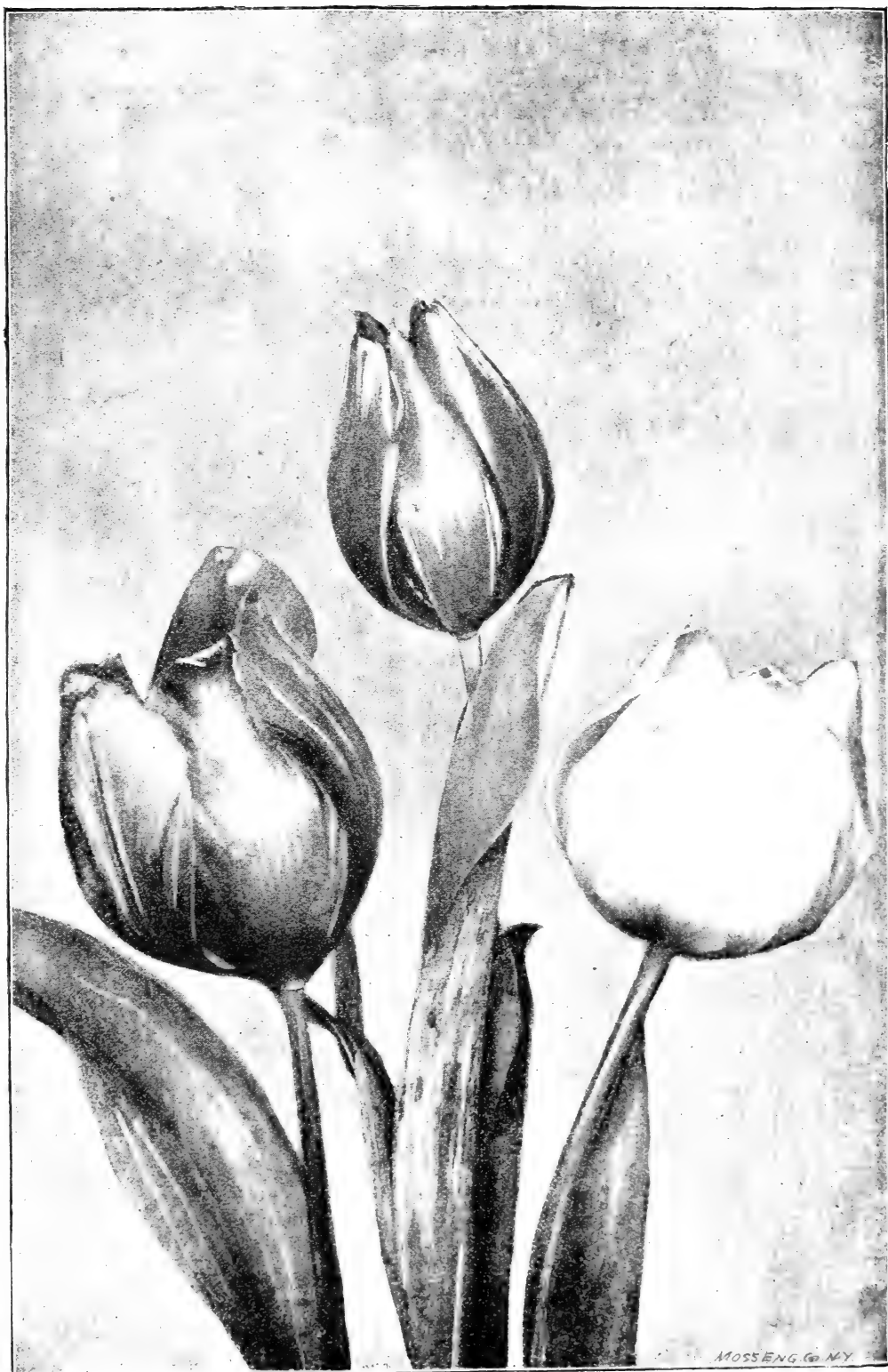
I am more than pleased with the bulbs received from you last fall. The Dutch and Roman Hyacinths were specially fine, and I take great pleasure in sending you herewith my order for the coming season.

M. McRORIE.

We are well satisfied with what you sent us. There is one thing of which I desire to speak, and that is, your style of packing. I think packing must have become one of the fine arts with you. Everything arrived in perfect order.

WM. J. ROUSE.

**Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.**



SINGLE TULIPS YELLOW PRINCE, SCARLET DUC VAN THOL, LA REINE. (See page 14.)

# TULIPS.

**T**HE TULIP, which is among the most familiar and beautiful of bulbous plants, requires the same general treatment and rich, light soil as the Hyacinth. In October or November, plant them six inches apart each way, and cover to the depth of about three inches.

The best and most satisfactory way for the small grower would seem to be for him to study his surroundings and secure as long a season of bloom as possible; never any great glare, but a long succession of flowers, with an almost daily change in the appearance of the border. This, while perhaps not so impressive to the passer by, is more pleasing to one fond of his garden. Numerous varieties of Tulips can be secured which will bloom at various times, covering quite two months without going beyond the cheaper sorts which are offered at reasonable prices. Selections should be made from all the sections—Early, Late, Bybloemens, Bizarres, Parrots, etc., and it is a very good plan to mix them together so that there will be no tendency to produce effects when in bloom. If one fancies a mass of some one color, a lot of this may be selected to make a special clump, but the main lot should be planted irregularly, to bloom without formality. Such a bed at first will lack foliage, and it is not until the ground is fairly full of bulbs that there will be a sufficient foil of green to be fully satisfactory, so that it is well to cover the earth with some creeper. *Lysimachia nummularia* (Moneywort) is very satisfactory for such a purpose, though it is one of the commonest of garden plants, being hardy, a free grower and having pleasing foliage. While the leaves of the bulbs are ripening, the *Lysimachia* is a mass of bright yellow bloom, giving color to the border, after which the creeping stems may be cut out and the decaying foliage removed. Such a bed need not be entirely occupied with Tulips; clumps of *Narcissus* make pleasing additions, and in the front may be grown such early-flowering bulbs as Snowdrop, Crocus, Scillas, Winter Aconite, Dwarf Irises, etc., and it is well to reserve a space at the back where some tall-growing herbaceous plants may be flowered. Columbines and perennial Larkspurs are attractive in such a position. If a fence borders the bed, a background may be made of some good climber; for such a purpose we know of nothing neater than *Clematis* or *Apios tuberosa*, the flowers of which are very pretty.

For pot-culture and forcing, Tulips are invaluable. A compost of two parts loam to one of light manure, with some sand intermixed, is suitable. The pots may be kept in ashes until the bulbs are well rooted, when they may be introduced into gentle heat.

## TULIPS—SINGLE EARLY-FLOWERING NAMED.

Admirably adapted for culture in pots, or for planting in edges or beds.

	Time of Blooming	Height inches	Each	Per doz.	Per 100
<b>Artus.</b> Brilliant scarlet.....	2nd	7	\$0 05	\$0 35	\$1 75
<b>Brutus.</b> Orange-crimson.....	2nd	6	8	35	2 50
<b>Belle Alliance (Waterloo).</b> Scarlet; sweet-scented .....	2nd	7	5	35	2 25

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted

## TULIPS—SINGLE EARLY-FLOWERING NAMED—CONTINUED.

		Time of Blooming	Height inches	Each	Per doz.	Per 100
Bizard Verdict.	Carmine, gold-striped....	2nd	7	\$0 05	\$0 30	\$1 75
Canary Bird.	Rich golden yellow; early for forcing.....	1st	8	8	50	2 85
Crimson King.	Bright crimson .....	2nd	7	5	30	1 25
Couleur Ponceau.	Rosy crimson and white .....	2nd	8	5	35	1 75
Cardinal's-Hat.	Dark brown-red .....	2nd	9	5	35	1 75
Chrysolora.	Pure yellow; extra-large forc- ing kind.....	2nd	9	8	50	2 85
Coleur Cardinal.	Brilliant crimson .....	3rd	9	5	40	3 00
Cottage Maid.	Rosy pink, striped with white. ....	2nd	6	8	65	3 75
Duc Van Thol,	Red and Yellow.....	1st	6	5	35	1 75
" "	Rose. White, shading to rose .....	1st	6	8	50	2 85
" "	Gold-Striped. Red, striped with yellow.....	1st	6	5	35	1 75
" "	Yellow. Bright citron-yellow .....	1st	6	8	65	3 25
" "	White. Clear satiny white. ....	1st	6	10	75	4 25
" "	Scarlet. Very deep scarlet. ....	1st	7	5	30	1 25
" "	Crimson .....	1st	7	5	30	1 25
Duchesse de Parma.	Orange-yellow; fine. ....	2nd	9	5	35	2 25
Eleonore.	Dark violet, white edge.....	2nd	8	5	40	2 50
Globe de Rigaut.	White and violet .....	2nd	7	5	40	3 00
Grootmeester.	Crimson and white.....	2nd	7	8	65	3 25
Joost van Vondel.	Glossy rose and white....	2nd	7	5	50	3 00
Jagt van Delft.	Pure white; good form....	2nd	8	5	35	2 50
Keiserkroon.	Red, with broad yellow edge .....	2nd	9	8	50	3 25
La Reine (Queen Victoria).	White, slightly rose-shaded .....	2nd	6	5	35	2 00
L'Immaculee.	Pure white; fine forcer....	2nd	6	8	50	2 85
Ma Plus Aimable.	Red and orange.....	1st	6	5	40	2 50
Purple Crown.	Dark purplish red .....	1st	6	5	40	2 00
Pottebaker, Yellow.	Bright canary, slightly striped.....	1st	8	8	65	3 25
"	White. White self-color; good form.....	1st	8	8	65	4 00
"	Scarlet .....	1st	8	8	50	2 85
Proserpine.	Salmon-pink; extra; fine form .....	1st	8	10	75	4 75
Rembrandt.	Bright scarlet; early; for forcing .....	1st	8	8	50	2 85
Rose Grisdelin.	White, rose-shaded; fine for forcing .....	2nd	5	8	50	3 25
Rosa Mundi.	Rose and white; very fine ..	2nd	8	8	50	3 00
Samson.	Fine red.....	1st	8	5	40	2 50
Standard Royal.	Red and white-striped ..	2nd	7	5	35	2 50
Thomas Moore.	Fine apricot-orange.....	2nd	10	5	40	3 25
Verboom.	Scarlet .....	2nd	8	8	40	3 00
Vermilion Brilliant.	Splendid brilliant car- mine .....	2nd	8	8	50	3 25
Wouvermann.	Dark violet; splendid .....	2nd	5	5	35	1 75
Yellow Prince.	Golden yellow .....	2nd	7	8	50	3 25



**TULIPS—SINGLE EARLY-FLOWERING MIXED UNNAMED.**

(FOR BEDDING, ETC.)

We would recommend these for bedding in large or small masses. The great variety of brilliant-colored kinds contained in our mixtures make a most magnificent and lasting effect, at very small cost.

	Each	Per doz.	Per 100	Per 1,000
All Colors Mixed .....	\$0 05	\$0 25	\$1 50	\$12 00
“ “ Extra Selected Kinds .....	8	35	2 50	20 00

**TULIPS—DOUBLE EARLY-FLOWERING NAMED.**

	Time of Blooming	Height inches	Each	Per doz.	Per 100
Alba Maxima. Pure white; very fine; new.	1st	6	\$0 10	\$0 80	\$5 00
Agnes. Dwarf; very brilliant red .....	3rd	4	8	65	4 25
Bonaparte. Mauve, yellow and red .....	3rd	16	5	35	1 75
Cousine. Purplish violet .....	1st	8	5	40	2 50
Duc van Thol. Yellow and red .....	1st	6	5	30	1 25
Duke of York. Carmine and white .....	2nd	10	5	30	2 00
Gloria Solis. Crimson, bordered with gold	1st	8	5	30	2 00
Imperator Rubrorum. Improved Rex; rich crimson-scarlet .....	1st	8	8	65	4 75
La Candeur. Pure white; very fine .....	2nd	5	5	35	1 75
Le Blason. Rose and white .....	2nd	6	5	40	3 00
Lady Grandison. Dwarf scarlet .....	1st	5	5	40	2 75
Marriage de Ma Fille. Pure white, striped with rose; extra-fine .....	3rd	9	8	70	4 50
Murillo. Superb blush-white .....	2nd	6	8	65	4 25
Purple Crown. Deep purple .....	1st	8	5	35	2 25
Princess Alexandrina. Brown and yellow border .....	1st	6	8	50	3 00
Peony, Gold. Golden yellow and red ....	3rd	8	5	40	2 50
“ Red. Fine deep red .....	3rd	8	5	35	2 00
Rosine. Splendid rose .....	1st	9	5	40	2 75
Rose Blanche. Extra pure white .....	2nd	6	10	1 00	5 75
Rex Rubrorum. Fine large scarlet .....	2nd	7	5	40	2 50
Salvator Rosa. Dark purple-rose .....	1st	7	10	80	6 00
Turban. Violet .....	1st	7	10	80	5 00
Tournesol. Scarlet and yellow .....	1st	8	5	50	3 00
Tournesol Yellow .....	1st	8	8	65	4 50
Yellow Rose. Large golden yellow .....	3rd	10	5	35	1 75

**TULIPS—DOUBLE EARLY-FLOWERING MIXED UNNAMED.**

	Each	Per doz.	Per 100	Per 1,000
All Colors, Mixed .....	\$0 05	\$0 25	\$1 50	\$12 00
“ “ “ Extra-Selected Varieties .....	8	35	2 50	20 00

**TULIPS—VARIEGATED AND STRIPED-LEAVED.**

These varieties differ from the other classes in having beautifully variegated foliage, strikingly marked with silver or golden yellow, while the flowers are equal in grandeur and beauty to the other varieties.

12 Distinct Varieties and Colors, Double and Single. 10 cents each, \$1 per dozen.

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.



LA CANDEUR. Double White Tulips. (See page 15.)

**PARROT TULIPS.**

For open-air cultivation. The feathered-edge petals and various shades of green and other colors, are some of the distinct, odd, and beautiful features of this section. Unequaled for groups in mixed borders or in front of shrubs.

	Each	Per doz.	Per 100	Per 1,000
Finest Mixed Sorts .....	\$0 05	\$0 30	\$1 25	\$10 00
" Named Sorts, six varieties.....	5	50	2 50	

**LATE-FLOWERING OR SHOW TULIPS.**

Like the Parrot Tulips, for outdoor cultivation, but differing from that variety by coming into bloom later and in being somewhat taller. They are quite as singular and pleasing, and are greatly grown for competition.

	Each	Per doz.	Per 100	Per 1,000
Bizarres. Finest mixed sorts .....	\$0 05	\$0 25	\$1 50	\$10 00
Byblæmens. Finest mixed sorts.....	5	25	2 50	22 00

**BOTANICAL AND MISCELLANEOUS TULIPS.**

A collection of tulips is very incomplete unless it contains some of these most beautiful kinds. Greigi, commonly known as "Queen of Tulips," is exceptionally pretty, both in flower and foliage, and the other varieties deserve to be grown more largely on account of their great beauty and distinctiveness.

	Each	Per doz.	Per 100
Tulipa Clusiana. White and rose.....	\$0 10	\$1 00	
" cornuta (Chinese). Scarlet and yellow .....	10	1 00	
" Florentina odorata. Yellow, violet-scented .....	8	60	\$3 50
" fulgens. Yellow.....	8	60	3 50
" Greigi. Bright scarlet, yellow and black center....	50	5 00	
" Gesneriana. Large; bright crimson with blue eye..	5	50	1 50
" Oculis-Solis (Sun's-Eye). Vermilion with black eye .	10	1 00	
" viridiflora. White and green .....	8	60	3 50

**JONQUILS OR RUSH-LEAVED NARCISSUS.**

This section of the Narcissus family includes several varieties with pretty yellow flowers. They are early bloomers and are mostly hardy.

	Each	Per doz.	Per 100
Single Sweet-Scented. Yellow, very deliciously scented; good for forcing .....	\$0 05	\$0 30	\$1 50
Double Sweet-Scented. Full double, of a clear golden yellow, and the most fragrant of the whole family; may be forced .....	8	75	4 00
Campernelle. Golden yellow flowers; much used for forcing	5	40	2 00

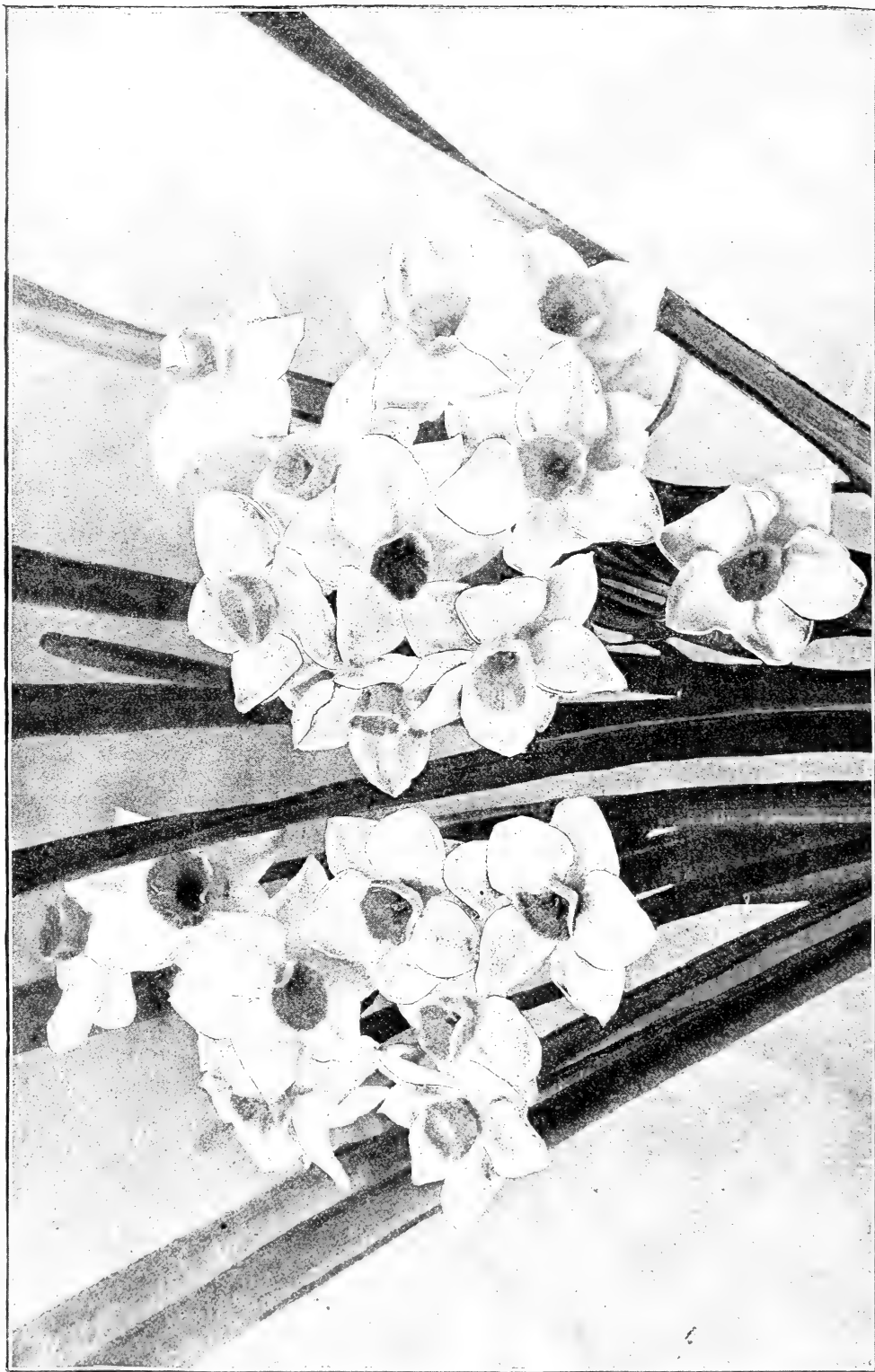
PHILADELPHIA, PA, Oct. 13, 1891.

Gentlemen:—Please accept my thanks for your kind attention to my small order. The bulbs arrived Monday morning, looking just ready to grow, and fine mature ones I feel sure they were

Yours truly,

SARAH N. SANFORD.

**Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted**



CHINESE SACRED LILY, or POLYANTHUS NARCISSUS. (See page 22.)

THE UNITED STATES NURSERIES

## ORDER SHEET

For Autumn, 1892.

## PITCHER &amp; MANDA,

*Nurserymen, Seedsmen* . . .

∴ ∴ ∴ *and Florists.*

Short Hills, N. J.

Name.....

Post-Office..... Express Office.....

Express Office.....  
(If different from P.-O.)

County..... State.....

To be shipped by.....

Amount Enclosed: Cash, \$.....; P.-O. Order on New York City, \$.....;

Postal Note, \$.....; Check, \$.....; or send C. O. D., \$.....

All plants sent out are guaranteed true to name ; but while we exercise the greatest care to have all seeds and bulbs pure and reliable, we can give no warranty, express or implied. If the purchaser does not accept the goods on these conditions they should at once be returned, and the money paid for same will be refunded.

If more than one express company runs to your place, please designate by which we shall ship.

Date.....

QUANTITY.

ARTICLE.

PRICE.



QUANTITY.

ARTICLE.

PRICE



## NARCISSUS OR DAFFODILS.

"Whoever has two loaves of bread, let him trade one for a blossom of Narcissus; for bread is nourishment to the body, but the Narcissus is food for the soul."—*Mohammed.*

The Narcissus in some of its species is a well-known and long-esteemed flower, being mentioned in Homer and in Sophocles, and one variety has been cultivated by the Chinese for thousands of years. During the last few years the flowers, as a class, have been rising in popular estimation, and growers have produced an almost endless list of varieties and hybrids. We offer only the best sorts.

The Narcissus are among the earliest flowers of spring; or as Shakespeare says:

"Daffodils  
That come before the swallows dare, and take  
The winds of March with beauty."

With a very few exceptions they are perfectly hardy and will accommodate themselves to any conditions. For the open border, for planting in the shrubbery or along walks, or for naturalizing in the grass, there is nothing better. Some species, as *N. poeticus*, may be planted in the lawn, as they will bloom and their leaves die down before it is necessary to cut the grass.

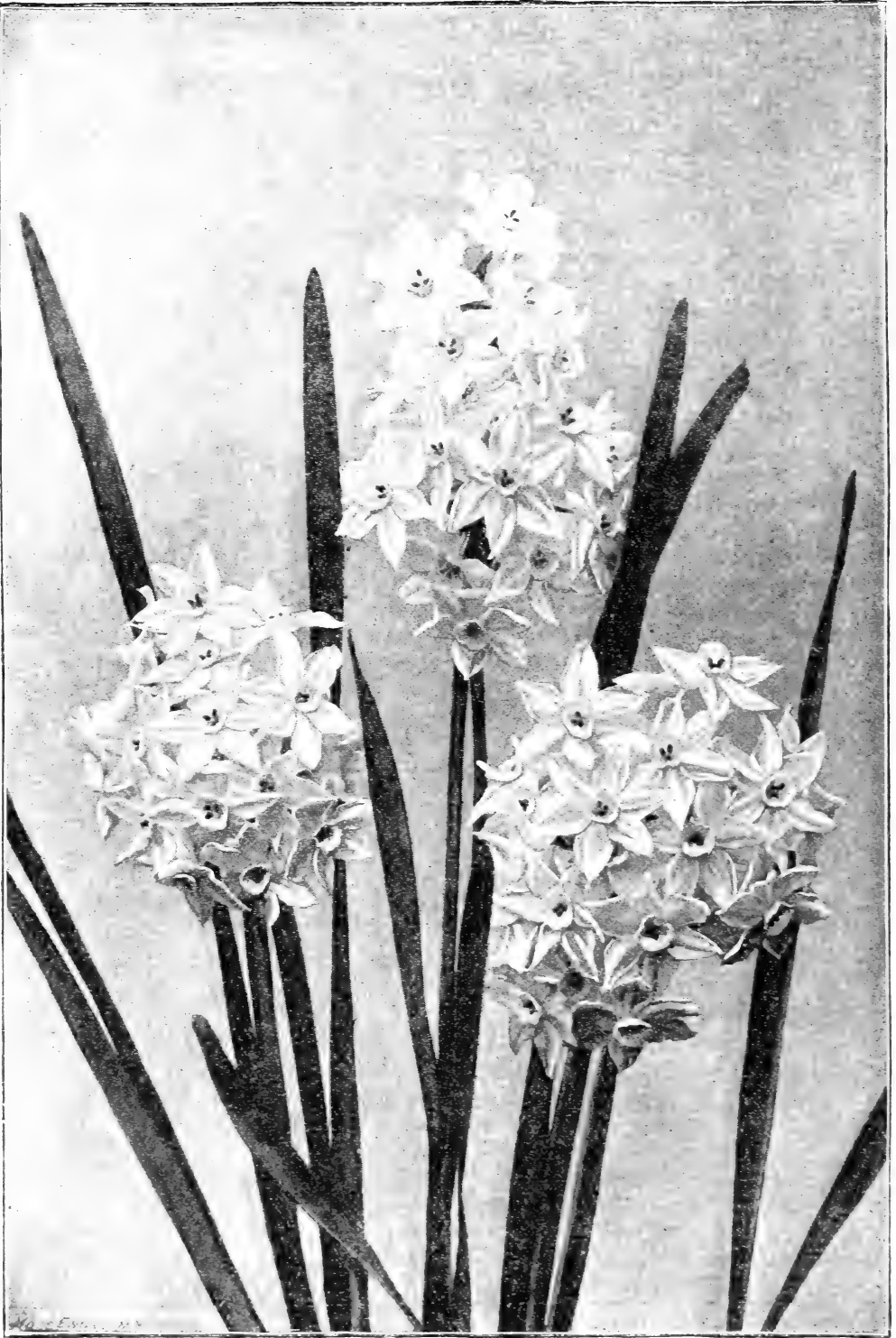
For outdoor blooming they should be planted in a moderately rich soil, being careful to avoid the use of fresh manure, and the earlier in the autumn that they are in the ground, the better. The bulbs should be set three or four inches deep, unless it is intended to plant other flowers over them in the summer, in which case it is better to plant six inches deep. It is advisable not to disturb the bulbs oftener than once in three or four years, when they will need thinning out; if taken up and wintered every year like Hyacinths, they do not seem to prosper.

Most of the species are amenable to forcing, and thousands of such varieties, as Early Paper White, Double Roman, Von Sion, etc., are cultivated every year by florists. They should be planted as instructed for Hyacinths, and kept in a cool place for three or four weeks until roots have formed, when the first two named may be forwarded in heat, though most species do better if kept moderately cool throughout.

### SINGLE NARCISSUS.

	Each	Per doz.	Per 100
<b>Bicolor Empress.</b> Larger than the next; immense golden yellow trumpet and broad white perianth.....	\$0 60	\$6 00	
" <b>Horsfieldii</b> (King of Daffodils). Pure white perianth; rich golden yellow trumpet; very large, and one of the finest for cut-flowers.....	40	4 00	
" <b>rugilobus.</b> Sulphur-yellow perianth, golden yellow trumpet; similar to and almost as large as Emperor	10	1 00	
<b>Biflorus.</b> Divisions of the perianth milk-white, crown yellow; flowers, two on a stalk; late-flowering.....	5	40	\$1 50
<b>Bifrons (Etoile d'Or).</b> Small; yellow; bunch flowering like a small Tazetta Narcissus.....	10	1 00	6 00

**Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.**



NARCISSUS. PAPER WHITE GRANDIFLORUS. See page 22.

## SINGLE NARCISSUS—CONTINUED.

	Each	Per doz.	Per 100
<b>Bulbocodium</b> (Hoop-Petticoat). Rich golden yellow; each bulb usually bears from six to twelve flowers; can be forced .....	\$0 06	\$0 50	\$3 00
<b>Emperor.</b> One of the largest and best; perianth primrose-yellow, trumpet clear golden yellow .....	60	6 00	
<b>Incomparabilis Stella Alba.</b> Pure white, with golden yellow cup; valuable for forcing .....	8	50	3 00
“ <b>Sir Watkins.</b> Mammoth flowers; tube rich golden yellow, beautifully fimbriated; perianth pale primrose-yellow, very broad. A new and gigantic variety, the flowers often measuring four inches across .....	60	6 00	
<b>Obvallaris</b> (Tenby Daffodil). Dwarf-growing; bright yellow; very early and effective .....	8	60	4 00
<b>Pallidus Præcox.</b> Both trumpet and perianth clear sulphur-yellow. A new and distinct variety; the finest of the sulphur-yellow sorts .....	8	60	3 50
<b>Poeticus</b> (Pheasant's-Eye or Poet's Narcissus). Pure white with red cup; very fragrant .....	5	40	1 50
“ <b>ornatus.</b> Flowers a month earlier and more symmetrical than the ordinary Poeticus, but of the same color and larger .....	6	60	3 50
<b>Princeps.</b> Perianth white, trumpet yellow; good for forcing .....	8	75	4 50
<b>Pseudo-Narcissus</b> (Lent Lily). White perianth, sulphur-yellow trumpet .....	5	40	2 00
<b>Scoticus</b> (Garland Lily). Perianth white, trumpet yellow; of the Pseudo-Narcissus type, but much finer .....	8	50	3 00
<b>Trumpet Major</b> (Spurious Major). Much used for forcing, and the earliest; yellow; trumpet very large and flaring .....	8	50	3 00
<b>Mixed Single Sorts</b> .....	per 1,000, \$17..	5	50 2 00

## DOUBLE NARCISSUS.

	Each	Per doz.	Per 100
<b>Alba Plena Odorata.</b> (The Double White Poet's Narcissus). Pure white, very double and fragrant; much used by florists .....	\$0 05	\$0 50	\$2 50
<b>Incomparabilis Plenus</b> (Butter-and-Eggs). Very double; pale yellow perianth and orange cup; a good forcing variety. ....	5	50	2 00
<b>Orange Phoenix.</b> Double white; a very showy variety ...	10	75	5 50
<b>Von Sion</b> (Telamonius plenus). The Double Yellow Daffodil. Flowers very large and double; extensively used for forcing .....	8	50	2 50
<b>Mixed Double Sorts</b> .....	per 1,000, \$17..	5	50 2 00

Bulbs offered singly or by the dozen are sent by mail prepaid at these prices.

**POLYANTHUS OR BUNCH-FLOWERING NARCISSUS.**

(NARCISSUS TAZETTA.)

The varieties of this group produce spikes of sweet-scented flowers, and are best suited for forcing or planting in pots in the house. The Double Roman and the Paper White may be had in bloom by Christmas. All very sweet-scented.

	Each	Per doz.	Per 100
<b>Aurora.</b> Fine large yellow .....	\$0 12	\$1 25	
<b>Bazleman Major (Trewianus).</b> Orange cup; white perianth; very large and fine .....	45	5 00	
<b>Double Roman.</b> Double white, with orange nectary. Much used for forcing and pot-culture, and is one of the earli- est for that purpose .....	5	50	\$2 00
<b>Gloriosus.</b> Perianth white, cup orange; very fine .....	10	1 25	
<b>Grand Monarque (Floribundus).</b> Broad white perianth, yellow cup; the finest white .....	10	1 25	
<b>Newton.</b> Very fine, and free bloomer; perianth yellow, cup orange .....	12	1 25	
<b>Paper White (Totus Albus).</b> Pure white; free-blooming. Much used for forcing, and the best of the early sorts for that purpose, as it may be had in bloom by Christmas. Very sweet- scented .....	\$0 05	\$0 50	\$2 00
“ “ <b>Grandiflora.</b> An improved variety of the pre- ceding, blooming somewhat earlier; very useful for pot-culture for amateurs .....	8	60	2 50
<b>Mixed Polyanthus Sorts</b> .....	8	60	2 50

**CHINESE SACRED LILY OR FLOWER-OF-THE-GODS.**

This is a variety of the Polyanthus Narcissus, and is also known by several other names, as “Water-Fairy Flower,” “Joss Flower,” “Chinese New Year’s Lily,” etc.

The bulbs are imported from China, and arrive usually in November. They are easily cultivated in water, and it is in this way that they are the most useful. If placed in a glass dish or bowl, with pebbles around the bulb to hold it upright, and a few bits of charcoal to keep the water pure, they will thrive without further attention, except to change the water occasionally, which should be done once or twice a week. They grow very rapidly, and each bulb produces about six long narrow, leaves, in the center of which rise the flower-stalks, which are produced five to ten from each bulb, and are twelve to fifteen inches high. The individual flowers are waxy-white, with a yellow center, very fragrant, and are produced in great abundance, often fifty to sixty flowers coming from a single bulb.

They will thrive in any parlor or sitting-room, and bring spring-time with them when they blossom. By successive plantings they may be had from January till April.

	Each	Per doz.
<b>Fine Bulbs</b> .....	\$0 20	\$2 00

Bulbs offered singly or by the dozen are sent by mail prepaid at these prices.

# LILIES.

THE LILY has been esteemed for centuries, and has long been considered as the emblem of chasteness and purity. The class includes some of the finest of bulbous plants. They are peculiarly graceful in habit and with striking combinations of color and are especially suited for planting among low shrubby or herbaceous plants, such as peonies, azaleas, etc. Some species bloom in May, while others are in bloom in late autumn.

Within recent years many remarkably striking forms have been introduced from Japan, the first of which was the gorgeous Golden-banded Lily, and which has been followed by several equally valuable sorts. We have especially good facilities for securing these gems of Japanese floriculture, and offer all the better sorts as they are discovered or introduced.

In choosing a position for planting Lilies the most important point to be attended to is the drainage, for if planted where water will gather around the roots in winter they will not thrive. The soil should be deeply loosened and enriched by the addition of good leaf-mold or peat, and the bulbs planted four or five inches deep and left undisturbed for several years, as frequent removals are injurious. Some species, especially those native to California, require to be planted from 10 to 12 inches deep.

Several varieties are extensively forced, the most important of which is the Bermuda Easter Lily (*Lilium Harrisii*), of which hundreds of thousands of bulbs are imported yearly from Bermuda (where the climate is especially suited for its perfect development), and forced by florists for Easter. By bringing in a succession they may be had as early as the first of December. They should be planted early in the autumn and kept in a cool place until brought in for forcing into bloom. *L. longiflorum* and *L. candidum* are also forced, but cannot be brought into flower as early as *L. Harrisii*.

As a guide in selecting the most beautiful and useful lilies, we would especially recommend the kinds in heavy type, which should be in every collection.

Each Per doz

<b>Auratum</b>	(The Golden-banded Lily of Japan). This has been called the "Queen of Lilies," and it is certainly one of the grandest plants in cultivation. The petals are ivory-white, thickly spotted with crimson, and through each petal is a broad band of bright yellow. Very fragrant.	\$0 25	\$2 50
" <b>vittatum rubrum</b> .	In this variety the yellow band is supplanted by one of bright crimson. It is, if possible, finer than the original type. It is still scarce, but this year we are able to offer it at a lower price than ever before	80	9 00
" <b>pictum</b> .	In this variety the red is in the form of blotches, larger than in the type.	1 00	11 00
" <b>macranthum</b> .	Flowers very large, similar in color to the type, but the petals are broader. A decided improvement on the original type	1 00	11 00
" <b>Wittei</b> .	Pure white, with a broad, yellow band. A recent introduction, and one of the finest	1 50	17 00

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.



TRUE BERMUDA EASTER LILY. (*LILIUM HARRISII*.) (See pages 5 and 25.)  
Grown from a six to seven-inch bulb.

## LILIES—CONTINUED.

	Each	Per doz.
<b>Batemanni.</b> Orange-apricot in color; 6 to 8 flowers produced on a stem 3 to 4 feet high .....	\$0 20	\$2 00
<b>Brownii.</b> Large trumpet-shaped flowers, often 10 inches in length, pure white within, brownish purple outside. One of the most beautiful .....	1 25	14 00
<b>Canadense</b> (Canadian Lily). Flowers yellow, varying to orange, spotted with reddish purple. One of the best native species..	15	1 50
<b>Candidum</b> (Annunciation Lily, St. Joseph's Lily). The well-known white Lily of the gardens. Hardy everywhere, and extremely easy of culture. Extensively forced by florists.....	10	1 00
“ <b>Maximum Plenum.</b> A form with semi-double flowers; white .....	25	2 75
<b>Carniolicum.</b> One of the earliest; flowers bright orange-red spotted with black; stem two to three feet high .....	25	2 50
<b>Concolor.</b> Bright scarlet, with small round black dots; a pretty species from China .....	25	2 50
<b>Coridion.</b> Another early species, producing bright yellow flowers stained with purple; very useful for growing in pots .....	20	2 25
<b>Cordifolium.</b> A Japanese species, growing about 3 feet high and bearing 3 to 4 large funnel-shaped flowers, 5 to 6 inches long; white, tinged with green outside, purplish in the throat.....	25	2 75
<b>Chalcedonicum.</b> Intense fiery scarlet flowers are produced in July. An old variety, but still desirable .....	50	5 50
<b>Columbianum.</b> A California species, very elegant and graceful; 10 to 30 brilliant orange-red flowers are produced on a stem 3 to 4 feet high.....	25	2 75
<b>Croceum.</b> Large umbels of orange-colored flowers, spotted with black .....	25	2 75
<b>Elegans, Alice Wilson.</b> A fine variety, with upright, golden yellow flowers .....	1 50	16 00
“ <b>Incomparable.</b> Intense crimson, spotted with yellow; flowers 5 to 6 inches long.....	30	3 00
“ <b>atropurpureum.</b> Scarlet, with black spots.....	30	3 50
“ <b>multiplenum.</b> A semi-double form; crimson .....	15	1 50
“ <b>sanguineum.</b> Flowers reddish crimson, shaded with orange; one of the earliest of the group .....	25	2 50
“ <b>Mixed Varieties.</b> .....	15	1 50
<b>Hansoni</b> (True Japanese Yellow Martagon). Flowers bright golden yellow, spotted with crimson. One of the grandest and most distinct Lilies in cultivation.....	1 25	14 00
<b>Harrisii</b> (Bermuda Easter Lily). See Illustration, page 24. The well-known large pure white Lily so much used for church decoration at Easter, and for other purposes. The best of all for forcing. Our bulbs are true Bermuda-grown.		
Fine bulbs, 6 to 7 inches in circumference .....	10	1 00
“ “ 8 to 9 “ “ .....	15	1 50
“ “ 10 to 11 “ “ .....	25	2 50
Monster bulbs for exhibition purposes.....	75	7 50

## LILIES—CONTINUED.

	Each	Per doz.
<b>Humboldtii.</b> One of the finest of Californian Lilies, growing 6 feet high and bearing from 30 to 40 flowers of orange color, spotted with purple .....	\$0 50	\$5 00
<b>Krameri.</b> One of the best of the many recent introductions from Japan. Flower 6 to 8 inches long, of a beautiful rose color. Very fine and distinct.....	30	3 25
<b>Longiflorum.</b> Very similar to <i>Harrisii</i> , and like it much used for forcing, though not so early. The flowers are pure white, trumpet-shaped, 6 inches long.		
Fine bulbs, 5 to 7 inches in circumference .....	15	1 50
“ “ 7 to 9 “ “ .....	20	2 00
“ “ 9 to 11 “ “ .....	30	3 00
“ <b>foliis albis marginatis.</b> A variety with variegated leaves .....	75	8 00
<b>Leichtlini.</b> Flowers golden yellow, produced in profusion on a stem 3 to 4 feet high .....	50	5 50
<b>Martagon.</b> Flowers purple in a pyramidal panicle; stem 4 to 5 feet high .....	20	2 00
<b>Maritimum.</b> A Californian species with blood-red flowers. Dwarf .....	50	5 50
<b>Maximowiczii.</b> Bright scarlet, spotted purplish; 3 to 4 flowers on a stalk 2 to 3 feet high.....	50	5 50
<b>Medeoloides.</b> Orange-red, spotted purplish. A very distinct species from Japan.....	50	5 50
<b>Parvum.</b> One of the prettiest of Californian species. Flowers erect, orange-colored, yellow within. Dwarf.....	40	4 50
<b>Philadelphicum.</b> Bright orange-red, spotted with purple; flowers erect. One of our native species.....	20	2 25
<b>Pardalinum.</b> Bright scarlet, shading to orange and spotted with darker red. Stem often 6 feet high and bearing 8 to 12 flowers .....	25	2 25
<b>Pomponium.</b> Flowers bright orange-red, in a broad raceme .....	30	3 25
<b>Parryi.</b> Flowers clear lemon-yellow with some purple dots; horizontal, about 3 inches long. A very fine species from California .....	75	7 50
<b>Pyrenaicum.</b> Small, bright yellow, the petals recurving. As many as 18 flowers on a raceme.....	25	2 50
<b>Saranah Kamtchatkense</b> (The Black Lily). A curious species, resembling a <i>Fritillaria</i> ; 18 inches high; flowers purplish black ...	75	7 50
<b>Speciosum album</b> ( <i>Lancifolium album</i> ). Large white flowers of good substance, with a greenish band running through each petal. One of the finest Lilies in cultivation.....	30	3 00
“ <b>rubrum.</b> White, thickly studded with dark crimson spots; very fine, the best of the <i>speciosum</i> class .....	20	2 00

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Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.



## LILIES—CONTINUED.

	Each	Per doz.
<b>Superbum.</b> Flowers orange, spotted with red. The best of the three species native to the eastern states, often growing 6 to 8 feet high.....	\$0 15	\$1 50
<b>Szovitzianum</b> ( <i>monadelphum, colchicum</i> ). Pale bright yellow, with fine spots of purple in the tube. One of the earliest, and very fragrant. Quite rare.....	50	5 50
<b>Testaceum</b> ( <i>excelsum, Isabellum</i> ). Yellow, tinged with orange-red stem about 5 feet high.....	35	4 00
<b>Tigrinum</b> (Common Tiger-Lily). Orange-red, spotted with black; an old but still standard variety .....	10	1 00
“ <b>splendens.</b> Much larger than the type, often bearing as many as 25 flowers on a stem.....	20	2 00
“ <b>flore-plenum.</b> Semi-double form of tigrinum.....	20	2 00
<b>Washingtonianum</b> (Shasta Lily). Flowers white, tinted with lilac; 12 to 18 borne on a stalk 5 to 6 feet high. A magnificent species from California.....	25	2 50
“ <b>purpureum</b> ( <i>rubescens</i> ). A fine variety. When the flowers first open they are pure white, but gradually change through shades of rose to purple. Suitable for pot-culture.....	50	5 00


## CROCUS.

The Crocuses are among the earliest flowers of spring, and their bright blossoms are often covered with snow in March and early April. They will grow and flower under almost any conditions, but are best suited for planting in the borders of beds, along the margins of walks, or scattered in little groups in the lawn, in which latter position they are lovely indeed, as all will remember who have passed Grace church, on Broadway, in New York city, when the Crocuses scattered through the lawn were in bloom. For beds or borders the bulbs should be planted about three inches deep and the same distance apart.

The Crocus is not amenable to forcing with fire heat, but may be flowered in pots in a sunny window.

## NAMED CROCUS.

These are all choice selected bulbs and can be depended upon for shade and richness of color. They produce larger and finer flowers than the mixed sorts, and are more desirable for growing in pots. For that purpose the difference in cost should not be considered.

 When sent by mail, add 15 cents per 100 for postage.

	Per doz.	Per 100	Per 1,000
<b>Albion.</b> Fine striped.....	\$0 20	\$1 00	\$7 00
<b>Baron von Brunow.</b> Dark blue.....	20	1 00	7 00
<b>Charles Darwin.</b> Fine purple.....	20	1 00	7 00
<b>Cloth-of-Gold.</b> Brown and yellow.....	15	75	7 00
<b>Cloth-of-Silver.</b> Pale blue, striped.....	15	75	7 00

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.

## NAMED CROCUS—CONTINUED.

	Per doz.	Per 100	Per 1,000
King of the Blues. Very large .....	\$0 20	\$1 00	\$7 00
Mont Blanc. Finest of all whites .....	25	1 00	7 00
Sir Walter Scott. Variegated .....	20	1 00	7 00
Yellow Giant Bulbs .....	20	1 00	7 00

## MIXED CROCUS.

These are very suitable for planting in borders or beds in the open ground, and will make a striking and beautiful show at a small cost.

	Per doz.	Per 100	Per 1,000
Large White, Mixed .....	\$0 10	\$0 60	\$5 00
“ Yellow “ .....	10	60	5 00
Large Blue .....	10	60	5 00
Large Purple .....	10	60	5 00
Striped and Variegated .....	10	60	5 00
All Colors Mixed .....	10	50	4 00

## ALLIUM.

This genus, which includes the Onion and Garlic, offers several pretty flowered species useful in the flower-garden. They are of very free growth, and require little care during the flowering season, except to place stakes to the tall-growing sorts. *A. Neapolitanum* is very largely forced by florists, or if planted outside is one of the earliest flowers appearing in spring. *A. Moly* is very useful for planting in clumps in the border, or for naturalizing.

	Each	Per doz.
<b>Azureum.</b> Flowers deep blue, with a darker line through each segment of the perianth; umbels crowded, borne on tall scapes.		
Hardy .....	\$0 25	\$2 50
<b>Grandiflorum.</b> Flowers white, in large umbels on tall stalks. Very fine for cultivating in pots in the house or for forcing for cut-flowers .....	\$0 10	\$1 00
<b>Moly.</b> Flowers bright yellow, in compact umbels on stalks 10 to 15 inches high .....	10	75
<b>Neapolitanum.</b> Flowers white, with green stamens; borne in loose umbels on a scape about 15 inches high. The plant may be forced, and is very useful for bouquets. It is free from the odor of garlic, which is a characteristic of the genus. per 100, \$4..	5	50

RANDOLPH, Jan. 19, 1891.

Gentlemen—The bulbs were very satisfactory, being the best of the kind we have had from anybody.  
Yours, MANN BROS.

SANDY HILL, N. Y., Oct. 6, 1891.

Gents—Bulbs arrived in good condition; we were much pleased with them. I sent your catalogue to our only florist hoping he will favor you with an order. Respectfully,

MRS. S. H. KENVON.

SUSPENSION BRIDGE, N. Y., Oct. 15, 1891.

Gentlemen—Bulbs received this A. M. They are fine. Thank you for extras.

Yours truly, JOHN F. KRAEMER.

**Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.**

## AMARYLLIS.

The genus *Amaryllis* has been divided, but we include under this heading the new genera of *Zephyranthes*, *Hippeastrum*, *Vallotta*, etc. The *Amaryllis* are among the grandest bulbous plants, some species bearing from two to six immense flowers, six to ten inches across, on a spike three feet high. They are all tender plants and must be grown in pots in the house, or some species may be set out in the border and brought in before the approach of frost. They succeed best if potted in a mixture of leaf-mold, loam, manure and sand; and in potting only the thicker base of the bulb should be covered, allowing two-thirds to project above the surface of the soil. If the pots are put in a place where they will get plenty of light and a temperature of about 60 degrees, with moderate watering, they will soon send up flower-stalks. After they have flowered and growth is stopped, watering should be gradually discontinued until the tops die down, when they may be put away in a dry, cool place, keeping the bulbs in the pots, as frequent disturbance of the roots is to be avoided.

	Each	Per doz.	Per 100
<b>Atamasco</b> ( <i>Zephyranthes Atamasco</i> ) (Flower-of-the-West-Wind). Flowers lily-like, about three inches long, white, when young suffused with salmon. This species may be safely planted out in the border in spring, and will in many situations stand the cold of winter. Height one foot.....	\$0 10	\$0 40	\$2 50
<b>Aulica</b> ( <i>Hippeastrum aulicum</i> ) (Lily-of-the-Palace). A gorgeous winter bloomer; brilliant crimson, green at the base of the petals, and above the green a purple blotch 1½ to 2 feet.....	1 25		
<b>Belladonna</b> (Belladonna Lily). An autumn-blooming species bearing from six to twelve flowers, white or purplish, sweet-scented, on a scape about 2½ feet high.....	25	2 50	
<b>Cinnamonea</b> ( <i>Crinum riparium</i> ). Splendid rose color; sweet-scented. A fine and rare species.....	3 00		
<b>Candida</b> ( <i>Zephyranthes candida</i> ) (Peruvian Swamp-Lily). Flowers white, greenish at the base; blooms in September.....	10	1 00	
<b>Formosissima</b> ( <i>Sprekelia formosissima</i> ) (Jacobean Lily). Large and showy flower of a fine deep scarlet, on a scape 2 feet high. May be forced, grown in pots or in water like a hyacinth, or planted in the open ground in the spring to bloom during the summer.....	20	1 50	
<b>Gigantea</b> ( <i>Brunsvigia Josephinea</i> ). Very fine scarlet; height 1½ feet. A beautiful and rare species. Extra large bulbs.....	7 50		
<b>Johnsonii</b> ( <i>Hippeastrum Johnsonii</i> ). A dull red flower with a white stripe down each petal; one of the earliest hybrids, and especially robust in growth.....	60	6 00	
<b>Ornatus</b> . A grand hybrid; flower white, striped with rose color.....	8 50		

Bulbs offered singly or by the dozen are sent by mail, postpaid, at the prices quoted.

## AMARYLLIS—CONTINUED.

	Each	Per doz.	Per 100
<b>Reginæ</b> (Mexican Lily). Flowers large, dark red, shaded with white and orange.....	\$0 50	\$5 00	\$35 00
<b>Rosea</b> ( <i>Zephyranthes rosea</i> ). Perianth rose-colored, about three inches across, the segments greenish below the middle ; a free-blooming species.....	10	75	5 00
<b>Purpurea</b> ( <i>Vallotta purpurea</i> ) (Scarborough Lily). Flowers bright scarlet, five or six in a head, lasting a long time in perfection. Very useful for pot-culture, or may be planted in the open ground for flowering in the summer	30	3 00	25 00
<b>Sarniensis</b> ( <i>Nerine Sarniensis</i> ). See NERINE.			
<b>Sulphurea</b> ( <i>Zephyranthes sulphurea</i> ). Flowers sulphur-yellow ; foliage dark green.....	10	80	5 00
<b>Treatiæ</b> ( <i>Zephyranthes Treatiæ</i> ) (Florida Fairy-Lily). A beautiful native species which produces two or more pure white, deliciously scented flowers.....	10	50	2 50
<b>Vittata</b> ( <i>Hippeastrum vittata</i> ). Pure white, with double red stripes on each segment of the perianth. One of the most beautiful species .....	50	5 00	
<b>Hybrid Seedlings</b> . Fine varieties, mixed, producing the most gorgeous flowers of brilliant colors.....	60	6 00	

## ANEMONE.

In this group are included several desirable and pretty free-blooming plants, which though not entirely hardy in the northern states, will succeed perfectly if not planted out until spring ; or they may be wintered in a coldframe, in which case they will bloom in early spring. The roots retain their vitality in the dormant state if kept in a dry place for a year or more, making them useful for planting at any season of the year. They may be had both single and double, and in a great variety of colors. They will thrive in any good garden soil, though a sandy loam suits best, and they are partial to a position in shade a great part of the day. The poppy-like flowers of the single sorts are very handsome.

## CORONARIA OR HORTENSIS VARIETIES.

These include the best of the ordinary garden Anemones, and are among the best of early blooming flowers. They come in almost all colors, single and double, and are admirable for cut-flowers.

	Each	Per doz.	Per 100
<b>Fulgens</b> (Scarlet Wind-Flower). Flowers of the richest scarlet, and of a very graceful habit of growth ; they may be had in bloom almost the entire year by planting the bulbs in pots and bringing in a few at a time through the winter ; and if set in the open ground in the spring, they will bloom in the autumn.....	\$0 05	\$0 50	\$3 00
<b>Blue Incomparable</b> . Double dark blue.....	10	1 00	6 00
<b>Ceres</b> . Double white ; very fine.....	10	1 00	6 00
<b>Single Pure White</b> .....	8	75	4 00
<b>Single Scarlet Mixed</b> .....	5	25	1 50
<b>Double Scarlet Mixed</b> .....	5	25	1 50
<b>Single, all Colors Mixed</b> .....	5	20	1 25
<b>Double, " "</b> .....	5	20	1 25

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.

**ANTHERICUM LILIASTRUM.**

(ST. BRUNO'S LILY.)

Flowers two inches long of a translucent whiteness, with a green spot on the point of each petal. Hardy, and valuable for the border, or may be grown in pots, a compost of leaf-mold, loam and manure suiting them well, with a liberal application of water when growing ..... 25 cts. each, \$2.50 per dozen.

**ARUM DRACUNCULUS.**

(DRAGON-FLOWER.)

The great calla-like flower is a foot long, reddish brown with black markings; the leaves are handsome, palmate, and the stem is curiously spotted. Planted in a pot in the house in a rich soil and given plenty of moisture it will thrive nicely ..... 15 cts. each, \$1.50 per dozen.

*Arum sanctum* (Black Calla). See *Calla-Lilies*.

**ASTILBE JAPONICA.**

See *Spiræa Japonica*.

**BEGONIAS, TUBEROUS-ROOTED.**

This is a class of plants which have been produced during the last fifteen or twenty years by careful hybridization and improvement, until at present they are among the best bedding plants for summer planting and are equally fine for pot-culture. Their colors are as brilliant as those of *Geraniums*, and the plants are as easy or easier of culture. They come in all shades, from the most brilliant scarlet and crimson, through pink, salmon and white, both double and single. For outdoor planting the tubers should be rooted in the house. Plant in pots or boxes in March or April, using a mixture of loam, leaf-mold and sand, and put near the light, allowing plenty of ventilation when the weather is favorable. The plants may be set out in June, the bed having been prepared with rich soil.

For pot-culture the tubers may be planted from February to March in a good soil and given plenty of light, but protection from strong sunlight.

A grand strain of pure true colors, double and single. Dry bulbs for fall or spring delivery.

**SINGLE VARIETIES.**

	Each	Per doz.
Red, Rose, Yellow, Orange, Scarlet, White or Bronze, to color.....	\$0 30	\$3 00
Mixed, all colors .....	25	2 50

**DOUBLE VARIETIES.**

Red, Rose, Yellow, Orange, Scarlet, White or Bronze, to color .....	50	5 00
Mixed, all colors.....	35	3 50

**BULBOCODIUM VERNUM.**

A pretty little hardy plant resembling the *Crocus*, and, like it, flowering in earliest spring. The flowers are bright violet. The culture is the same as for the *Crocus* ..... 5 cts. each, 30 cts. per dozen, \$2.50 per 100.

**Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.**

## BRODIAEA.

The Brodiaeas are pretty plants with grass-like leaves and slender stems bearing umbels of bright-colored flowers; native to California and the Pacific Coast states. Most of them are of easy culture, thriving in a rich sandy loam in a rather moist situation. They are also easily forced, and if grown in pots a mixture of loam, leaf-mold and sand suits them well.

	Each	Per doz.	Per 100
<b>Capitata.</b> Stalk a foot high, bearing a head of purple flowers	\$0 05	\$0 35	\$2 50
<b>Coccinea.</b> Bright red flowers, tipped with white, 1½ inches long	5	50	3 50
<b>Congesta.</b> Stem 2 to 4 feet high; flowers deep bright purple.	5	30	2 50
<b>Grandiflora.</b> Flowers bluish purple, 2 to 7 on a stalk	5	50	3 50
<b>Ixodes.</b> Flowers light yellow, banded with green	5	30	2 50
<b>Stellaris.</b> Flowers rich purple with a white center	5	50	3 50
<b>Mixed Sorts</b>	5	30	2 50

## CALOCHORTUS.

(BUTTERFLY-TULIP OR MARIPOSA LILY.)

These are among the most handsome of native American bulbous plants. The showy flowers of large size are produced either singly or in clusters on scapes from 10 to 18 inches high. The colors run from white through lilac, yellow, etc., to crimson, varying somewhat even in the different species. They are unfortunately not entirely hardy in the northern states, but if planted out in May they will bloom in June and July, when after drying off they may be taken up and stored till next season. They succeed finely if grown in a coldframe or if four or five bulbs are planted in a pot; or if protected with litter will usually do well outdoors. The best soil is a mixture of fibrous loam, leaf-mold and sand, and a well-drained position is an absolute necessity.

	Each	Per doz.	Per 100
<b>Gunnisonii</b> ( <i>Nuttallii</i> ). One of the best for popular culture; petals lilac, banded with green on the dorsal surface.			
Tall-growing	\$0 10	\$0 60	\$3 00
<b>Luteus.</b> Flowers large, deep orange, bearded. Low-growing, but a very fine species	10	60	3 00
<b>Splendens.</b> Lilac-blue, large flowers; very showy	10	60	3 00
<b>Venustus roseus</b> (Peacock Tulip). Creamy white with rose-colored blotch at top of petal, a beautiful eye-like spot in center, and a silky gland at the base; dorsal surface rich carmine-red	10	1 00	5 00
<b>Mixed</b>	5	50	3 00

LYNCHBURG, VA., Nov. 20, 1891.

Gentlemen—I am delighted with the bulbs you sent me. I thank you for your prompt and careful attention, and hope to be able to send to you again.

Respectfully,

MRS. W. B. HATCHER.

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.

## CALLA-LILIES.

Included under this head popularly are several species of curious arum-like plants, the type of which is the common white Calla-lily, any description of which is unnecessary. These are very extensively grown in greenhouses, and may be had in flower at almost any season. They require a very rich soil—a mixture of good loam and cow-manure is suitable. They will live and grow from year to year, if allowed to rest awhile during the summer and occasionally repotted to supply fresh nourishment.

### DWARF CALLA-LILY, "THE GEM."

(*RICHARDIA NANA*.)

This is a novelty of great merit, which we can highly recommend, having given it a very fair trial with the ordinary variety known as the Calla-lily. To illustrate its distinctiveness we give on the next page a reproduction from photograph of two plants taken side by side—the Dwarf Calla and the common variety. It will be found particularly useful to florists for design-work, as the flowers are somewhat smaller than the ordinary variety, and it is in every way its superior for a pot-plant. It is very prolific in flowering, throwing four to five blooms from one medium-size bulb, and seldom grows higher than one and a half feet. Large-flowering dry bulbs. . . . . 25 cts. each, \$2.50 per dozen.

See also illustration on fourth page of cover.

### BLACK CALLA-LILY.

(*ARUM SANCTUM*.)

This variety is esteemed as much for its oddity as for its loveliness. The flowers are of a black purplish hue with a velvet-like surface, and have an odor somewhat resembling that of the Tuberose. It is a most attractive plant and should be in every collection as it will succeed under the most ordinary cultivation, and now that the bulbs can be procured at such small cost we expect a very large sale, but owing to the previous demand being far greater than the supply there are only a limited number, and to prevent disappointment orders should be sent in at once. For illustration see page 38 . . . . . 50 cents each, \$5 per dozen.

Each Per doz.

**Spotted Calla** (*Richardia albo-maculata*). The leaves in this species are spotted with white, thus making an ornamental plant even when out of flower. The spathe is smaller than in the preceding and is purplish in the throat; dormant tubers. . . . . \$0 15 \$1 50

**Yellow Calla** (*Richardia hastata*). Identical in appearance with the common Calla, except the flower, which is yellow with a reddish brown throat. . . . . 1 00

**White Calla** (*Richardia Æthiopica*) (The White Trumpet-lily, or Lily-of-the-Nile). The common and well-known variety with pure white spathe. Our bulbs are extra-fine, California-grown and sure to succeed; dormant tubers . . . . . 15 1 50

**Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.**



COMMON AND DWARF CALLA-LILY. Showing difference in habit. (See page 33.)



**CAMASSIA ESCULENTA.**

(QUAMASH OR WILD HYACINTH.)

The flowers are violet-blue, in a short raceme, borne on a stout scape. Very pretty when planted in a partly sheltered situation in any good garden soil, with a top-dressing of manure once a year. The bulbs were eaten like onions by the North American Indians ..... 5 cts. each, 50 cts. per dozen.

**CHIONODOXA.**

These flowers, natives of the mountains of Asia Minor, are of comparatively recent introduction. They are, however, sure to grow in favor. They are hardy and can be planted outside in bed or border in any good soil, and their pretty blue flowers will appear in earliest spring with the Snowdrops, and will last a long time in perfection.

	Each	Per doz.	Per 100
<b>Luciliæ</b> (Glory-of-the-Snow). Flowers intense blue, shading to white in the center; 3 to 6 on a stalk about 6 inches high .....	\$0 05	\$0 30	\$2 00
<b>Gigantea</b> (Giant Glory-of-the-Snow). A new and superior variety of the preceding, and in comparison what its name would denote, being at least three times as large. It was first brought to our notice two years ago, when we secured a few for trial. We were so well pleased with the result that this season we have secured a very large quantity to force ourselves for cut-flowers .....	10	50	4 00
<b>Sardensis</b> . Bright rich blue, deeper than <i>C. Luciliæ</i> .....	5	30	2 00

**COLCHICUM.**

Colchicums are among the most beautiful of autumn-flowering plants, and their cultivation is of the easiest. The best soil is a light sandy loam, enriched with thoroughly decomposed manure, and a rather moist situation is most favorable. The bulbs should be planted about three inches deep, and about every third year should be lifted and replanted, as they have a tendency to go deeper into the ground. The flowers appear in the autumn, before the leaves, and are rose color and purple.

	Each	Per doz.	Per 100
<b>Chionense</b> ( <i>Agrippinæ</i> ). Rose color, purple and white, marked in squares like a checker-board; very odd and distinct .....	\$0 15	\$1 25	
<b>Autumnale</b> . The best-known variety. Flowers of a fine purple color .....	10	50	\$4 00

**CONVALLARIA.**

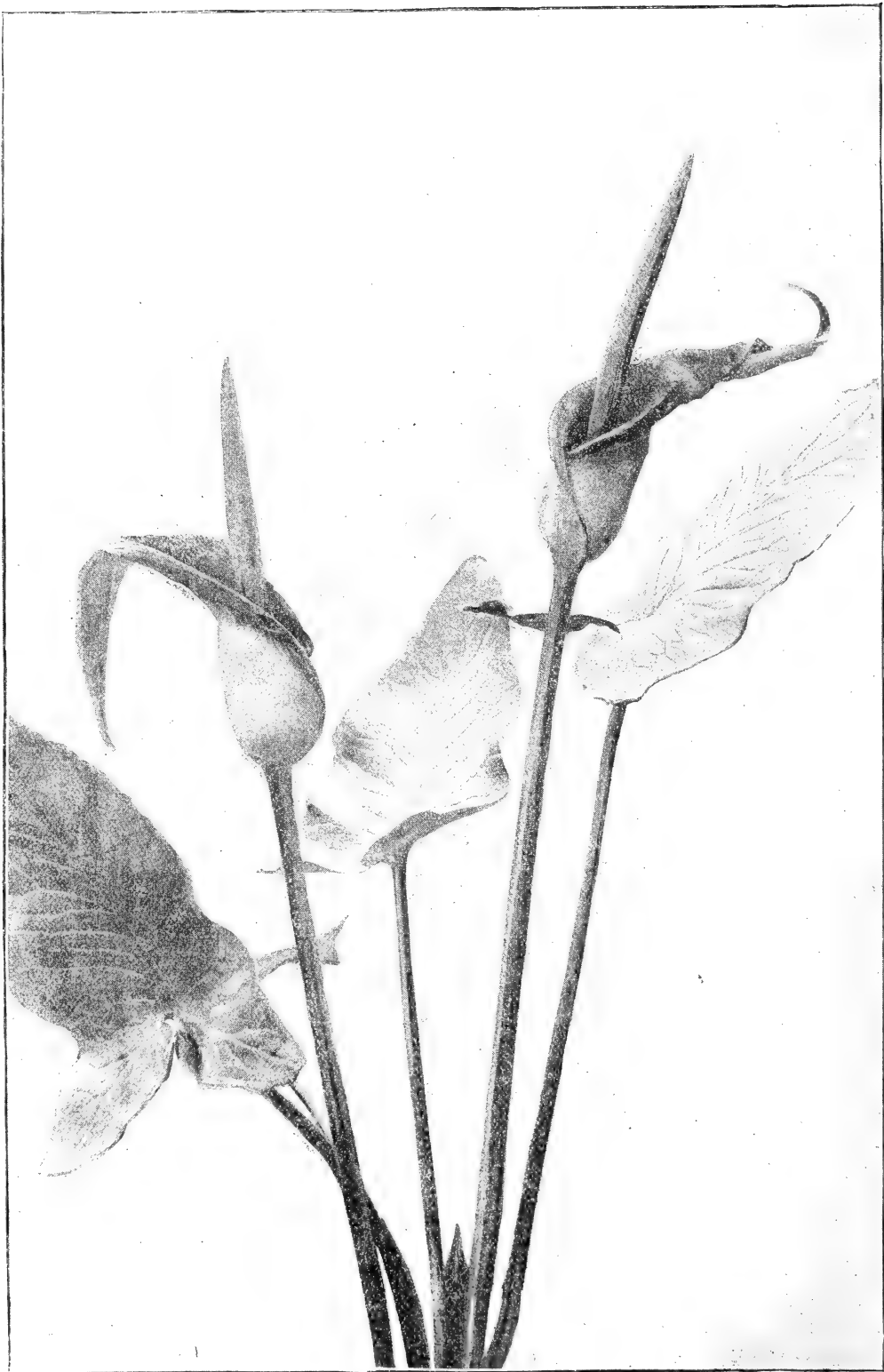
See *Lily-of-the-Valley*.

PITTSBURG, PA., Feb. 27, 1891.

The box containing the Stove and Greenhouse plants arrived with its contents in excellent condition, and you deserve credit for the way in which it was packed.

ROBERT M. GREY.

**Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted**



BLACK CALLA (*Arum sanctum*). (See page 33.)

## CRINUM.

A large genus of bulbous plants, many of which are evergreen, but only a few of which are hardy in this country. They are allied to the *Amaryllis*, and bear lily-like flowers in an umbel on a long stalk. Single bulbs should be planted in good-sized pots in a turfy loam, well-drained, and should be given occasional applications of liquid manure. Or, they may be planted out in the spring and lifted on the approach of frost, brought in, and kept in a cool place till the next spring.

	Each	Per doz.
<b>Americanum.</b> Fragrant white flowers 4 to 5 inches long, produced 3 to 6 in an umbel on a tall stalk.....	\$0 50	\$5 00
<b>Amabile.</b> Flowers 3 to 5 inches long, tube bright red; 20 to 30 in an umbel .....	1 25	
<b>Capense Alba.</b> Flowers white, the tube of the perianth 3 inches long, the limb the same length; 6 to 12 in an umbel..	60	6 00
“ <b>Rosea.</b> Segments of the perianth flushed with red on the back.....	60	6 00
<b>Ornatum.</b> Very free-flowering, native variety; large white flowers, blush tints.....	2 00	

## CYCLAMEN.

Included in this section are several very pretty hardy and greenhouse species. Hardly anything can be better for winter and spring-flowering in the window or in the greenhouse. They are very free-flowering, and their graceful habit, pretty foliage and the varied colors of the flowers add to their usefulness. They thrive best in a mixture of loam, leaf-mold and sand, with good drainage. In potting, the top of the bulb should be even with the rim of the pot, the bulb being half out of the ground. Give plenty of light and air. The bulbs are best kept in the pots during summer, though water may be nearly withheld.

	Each	Per doz.
<b>Persicum Giganteum.</b> Flowers largest of the genus; segments of the corolla white, with a claret-purple blotch at the base. Not hardy, but a fine plant for indoor culture. White, purple or rose .....	\$0 25	\$2 50

## HARDY CYCLAMEN.

<b>Europæum Roseum.</b> Bright red, very fragrant; $\frac{3}{4}$ -inch long. Hardy	15	1 50
“ <b>Album.</b> Pure white, fragrant; hardy .....	25	2 50
<b>Neapolitan.</b> Red with violet .....	25	2 50

WILLIMANTIC, ME., Oct. 12, 1891.

*Gentlemen*—The seeds and bulbs arrived in good condition, and I am much pleased with them, as with other goods which you have sent me.

Respectfully,

JULIA SMITH.

WASHINGTON, D. C., Feb. 25, 1891.

*Gentlemen*—Seeds received; thanks for your splendid catalogue, the most beautiful and interesting one I ever saw.

Yours truly,

GEO. R. RABY.

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.

**DICENTRA.**

(DIELYTRA.)

The best known of the several species of this genus is the first named, the BLEEDING-HEART of the gardens. The pink and yellow drooping racemes of heart-shaped flowers are produced in great abundance, and are exceedingly useful for cutting. There is also a white variety. Either may be forced and had in flower in late winter, though they will not stand exposure to strong heat. There are no finer plants for the general border, and they will succeed in any good soil.

	Each	Per doz
<b>Spectabile</b> (Bleeding-Heart). Perfectly hardy; a well-known and valuable flower. May be forced.....	\$0 15	\$2 00
“ <b>Alba</b> . A recently introduced variety with white flowers ..	50	5 00
<b>Eximia</b> . Flowers reddish purple, heart-shaped, in long drooping racemes .....	20	2 00

**ERANTHIS HYEMALIS.**

(WINTER ACONITE.)

Flowers bright yellow in earliest spring, continuing for several weeks. Very suitable for naturalizing in the shade or in wet places where few other plants will grow. The foliage lasts a long time after the flowers have withered. The tubers may be taken up in the summer after the leaves have fallen, or may be left in the ground for several years..... 5 cts. each, 30 cts. per dozen.

**ERYTHRONIUM.**

(DOG'S-TOOTH VIOLET.)

These are pretty little plants which send up a lily-like flower, the divisions of the perianth reflexed like a cyclamen, from between two leaves, usually dark green with lighter blotches. They are not at all like violets, and receive the name of Dog's-tooth violets from the shape of the bulb. Our native species is more commonly known as Adder's-tongue. The bulbs will succeed if planted in almost any light soil, but a mixture of loam and peat is best. The bulbs should be planted in little groups and about 3 inches deep.

	Each	Per doz.	Per 100
<b>Dens-canis</b> . The true Dog's-tooth violet, native of Europe. Flowers purplish rose or whitish; leaves blotched with brownish-purple and white.....	\$0 05	\$0 30	\$2 00
<b>Grandiflorum</b> . Flowers borne in a raceme of from 2 to 6, yellow or cream color, with a darker base.....	10	75	

**EUCHARIS AMAZONICA.**

(LILY-OF-THE-AMAZON.)

A beautiful bulbous plant from South America, suited to greenhouse cultivation. The flowers are white, sweet-scented, 4 to 5 inches in diameter, produced in 5 to 6-flowered umbels. The bulbs should be potted in a compost composed of leaf-mold, loam, sand and well-decayed manure, with good drainage. Plenty of water should be given, and occasionally liquid manure. . 25 cts. each, \$2.50 per doz.

**Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.**

## FREESIA.

These are among the prettiest of recent introductions in the line of Cape bulbs. The flower-stalks are about 9 inches high and bear 6 or 8 flowers each. The flowers are delightfully fragrant and last many days in water after being cut. They may be forced and had from autumn till late spring, if brought in succession into the light and warmth. They succeed best when planted about six bulbs in a five-inch pot, in a compost of sandy loam, leaf-mold and decayed manure. Water will not be required till growth commences, and a frame where frost is excluded will be warm enough. Plenty of air in mild weather is conducive to a strong, sturdy growth. As soon as growth begins, they may be watered more liberally, brought into the house or cool greenhouse, and placed where they will get as much light as possible.

	Each	Per doz.	Per 100
<b>Refracta Alba.</b> The best-known sort; flowers white, tinged with yellow below, and very fragrant. Very largely forced by florists. Although the bulb is not large, the profusion of bloom is particularly so.....	\$0 05	\$0 30	\$2 00
<b>Leichtlini Major.</b> Light yellow or cream color, the segments spreading less than in the preceding.....	5	50	3 00

## FRITILLARIA.

There are a great number of species included in the genus *Fritillaria*, but garden forms are mostly varieties of *F. imperialis* and are better known as Crown-imperials. Besides, there are several pretty species native to California which are gaining a position in the garden, which they richly deserve, by their great beauty. The *Fritillarias* are best suited to the flower border, and when planted should not be disturbed for several years. Any good garden soil will suit them, providing it is well drained as stagnant water around the roots will kill the smaller species. A top-dressing of well-rotted manure on the Crown-imperials, just as they start to grow, will be beneficial.

### IMPERIALIS VARIETIES.

#### (CROWN-IMPERIALS.)

	Each	Per doz.
<b>Aurora.</b> Bright red.....	\$0 25	\$2 50
<b>Crown upon Crown.</b> Red; several whorls of flowers one above the other.....	25	2 75
<b>Gold-Striped.</b> Flowers crimson; foliage beautifully variegated with yellow.....	50	5 00
<b>Sulphureus.</b> Sulphur-yellow, slightly striped with red.....	25	2 00
<b>Mixed Varieties</b> .....	15	1 50

### FRITILLARIA SPECIES.

	Each	Per doz.
<b>Biflora</b> (Chocolate-Lily). Stalk a foot high, leafy, bearing from one to five beautiful claret-brown bell-shaped flowers.....	\$0 20	\$2 00
<b>Recurva.</b> Six inches to a foot high; flowers bright scarlet, in a raceme; useful for cutting, as it lasts a long time in perfection.	25	2 50

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.

## GLADIOLUS.

These are among the most popular and showy of summer and autumn-flowering plants. The flowers, which are arranged in a long spike, vary in color from pure white to deep crimson and yellow and purple shades, many varieties being peculiarly striped and blotched. The varieties offered below belong to the early-flowering section, which bloom in July outdoors, but which may be had in the spring by planting in pots in the house. They should be planted outdoors in a rich soil, but the use of fresh manure should be avoided. Plant the bulbs about three inches deep and a foot apart, in a situation somewhat sunny but protected from rough winds. In hot weather plenty of water must be given. In the southern states they may be planted in the fall, but even when protected they are only precariously hardy at the north.

For detailed list of Gladiolus see our Descriptive Catalogue of Bulbs for Spring Planting, which will be ready about February 1. The following varieties are forced largely by florists:

	Each	Per doz.	Per 100
<b>Colvillei.</b> Purple and light yellow. Fine for forcing. . . . .	\$0 05	\$0 30	\$1 50
" <b>Alba</b> (The Bride). The most extensively used for forcing by florists or for house-culture. Fine spikes of pure white flowers. . . . .	05	40	2 00
<b>Delicatissima</b> (Blushing-Bride). A recent introduction; the flowers of a delicate rose-pink. . . . .	10	1 00	10 00
<b>Formosissimus.</b> Deep scarlet; large white blotch, edged with purple. . . . .	10	75	4 00
<b>Insignis.</b> Bright scarlet; flowers large, one of the most gorgeous of the early-flowering sorts. . . . .	10	75	4 00

## HEMEROCALLIS.

(DAY-LILY.)

Ornamental hardy tuberous-rooted perennials with tall grass-like foliage, and large lily-like flowers produced in summer. Very useful for the border, and the flowers are fine for cutting. Will succeed in any good soil. They may also be forced.

	Each	Per doz.
<b>Disticha flore-pleno.</b> A semi-double sort with large flowers, which are more durable than most of the single sorts. . . . .	\$0 35	\$3 50
<b>Graminea.</b> Yellow, tinged with green; fragrant. . . . .	20	2 00
<b>Kwanso flore-pleno.</b> Flowers bronze-colored; double. . . . .	25	2 50
" " " <b>folia variegata.</b> An elegant variegated-leaved sort. . . . .	35	3 50
<b>Flava.</b> Flowers lemon-yellow, deliciously sweet-scented; early. Good for forcing. . . . .	20	2 00
<b>Middendorffii.</b> Flowers deep golden yellow, in clusters on dwarf stems. Perhaps the most beautiful of the genus. . . . .	25	2 50
<b>Rutilans.</b> Orange-yellow, tinged with orange on the outside. Large; scape 2 to 4-flowered. . . . .	25	2 50
<b>Thunbergii.</b> Sulphur-yellow; late-flowering. . . . .	25	2 50

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.

## IRIS.

The numerous species and varieties of the Iris now in cultivation comprise a large and most interesting group of hardy plants, remarkable alike for their curiously constructed and quaintly marked flowers, and for the strange manner in which contrasting colors are blended in them. A large proportion of the commoner varieties do not require more than ordinary attention to produce a profusion of flowers annually. The section of Xiphions or Spanish Irises, comprising *Anglica*, *Hispanica*, *Persica*, *Reticulata*, etc., succeed best in a rich, sandy soil, fully exposed to the sun, but protected from strong winds. The German varieties should be planted in rich light soil, and their rhizomes, which form on top of the ground, should not be covered. The Japanese Iris (*I. Kämpferi*) will succeed in almost any position and produce an abundance of gorgeous flowers.

For a full list of varieties which we raise, see our Herbaceous Catalogue (sent on application), in which nearly one hundred named sorts are offered.

	Each	Per doz.	Per 100
<b>Anglica</b> (English Iris). Mixed colors.....	\$0 05	\$0 40	\$2 00
<b>Hispanica</b> (Spanish Iris). Mixed colors.....	05	30	1 25
<b>Germanica</b> (German Iris). Mixed colors.....	25	2 50	15 00
“ <b>Named Varieties.</b> See Herbaceous Catalogue....	30	3 00	25 00
<b>Kämpferi</b> (Japanese Iris). The Japanese Iris is entirely distinct from other species. The flowers are large (5 to 7 inches in diameter) and are of the brightest and most pleasing arrangements of color, from dark blue to rose, yellow, white, etc.			
<b>Kämpferi, Named Varieties.</b> See Herbaceous Catalogue ...	30	3 00	25 00
“ <b>Single Varieties Mixed</b> .....	25	2 50	15 00
“ <b>Double Varieties Mixed</b> .....	25	2 50	15 00
<b>Pavonia</b> (Peacock Iris). Pure white, with a bright blue spot in each petal. Not hardy, but fine for pots.....	05	40	2 50
<b>Persica</b> (Persian Iris). Blue, purple, yellow and white. Dwarf-growing; fine for forcing. Mixed colors.....	10	75	
<b>Pumila</b> . Lilac-purple; dwarf; nice for edgings.....	10	75	
<b>Reticulata</b> . Very early; violet, spotted and striped with white, yellow and black; sweet-scented. May be forced into bloom by Christmas.....	25	2 50	
<b>Susiana Major</b> (Chalcedonian Iris). Grayish blue with dots and lines of brown and black.....	25	2 50	

## HELLEBORUS NIGER MAJOR.

(CHRISTMAS ROSE.)

Flowers waxy white, 2 or 3 inches in diameter, produced in early spring. Perfectly hardy for planting outdoors in any well-manured soil where it will flourish, but is principally used for forcing, as the flowers may be had in perfection by Christmas..... Strong clumps, 30 cts. each, \$3 per dozen.

Bulbs offered singly or by the dozen are sent by mail prepaid at these prices.

## IXIA.

These are pretty showy bulbous plants from South Africa, with flowers of different colors, the base of the petals usually differing in color from the tip, and the inner from the outer surface. They are produced on long spikes.

The bulbs should be planted in pots in a mixture of sandy loam and leaf-mold, about one inch deep, and the pots stood in a coldframe. Very little water should be given until the flowering spikes appear, when they may be more liberally watered and the pots brought in where they will get light and air. They are perfectly hardy in the southern states, and there a well-drained position should be selected and the bulbs planted about six inches deep in autumn.

	Each	Per doz.
<b>Alba.</b> Pure white.....	\$0 10	\$1 00
<b>Elegans.</b> Pale rose, with purplish center.....	10	1 00
<b>Crateroides.</b> Bright crimson; very effective.....	05	50
<b>Pharaoh.</b> Salmon, with darker center.....	10	1 00
<b>Viridiflora.</b> Green, spotted at the base; very fine flower.....	10	1 00
<b>Mixed Varieties</b> .....	05	50

## LACHENALIA.

Pretty greenhouse bulbous plants from the Cape of Good Hope, with flowers of various colors in terminal, usually pendulous, racemes. Most of the species flower in spring and early summer and should be planted in the fall, several in a pot, in a mixture of light loam, leaf-mold and sand. Water should be sparingly applied at first, but later it may be given more liberally, in fact, after growth commences, they can hardly be over-watered. They require plenty of light and air, but care must be exercised that they be not exposed to strong draughts, as they are likely to injure the foliage. When through flowering, the plants should be exposed to the sun until dried off, when they may be stored dry until starting time comes again.

	Each	Per doz.
<b>Lutea.</b> Flowers yellow, about an inch long, disposed in an erect simple raceme.....	\$0 10	\$1 00
<b>Pendula.</b> Flowers deep purple, red and yellow, about one inch long, pendulous on a spike. The largest and showiest of the genus.....	20	2 00
<b>Tricolor.</b> Bright green, red and yellow, in a long loose raceme...	10	1 00

NEW YORK, *Sept. 17, 1891.*

The plants I bought arrived in perfect condition the same day I bought them, and I have never seen plants so beautifully packed.

FREDERICK KEPPEL.

NEWBURGH, N. J., *Oct. 22, 1891.*

Your shipment of plants to us arrived here in fine order and all correct, and we are much pleased with them.

D. PAIRD.

LANSING, MICH., *May 26, 1891.*

The plants came in splendid condition; it was the best job of packing I ever saw from any house.

R. MANN & SONS.

**Bulbs offered singly or by the dozen are sent by mail prepaid at these prices.**



## LILY-OF-THE-VALLEY.

(CONVALLARIA MAJALIS)

No description is needed of this universally admired plant, whose lovely sweet-scented spikes of drooping white bells are everywhere known. No plant is easier of culture; indeed, in the Allegheny mountains the Lily of-the-Valley grows wild. If once established in the garden, it will need no further attention, except to top-dress with manure in the autumn. For quick results in outside planting, the clumps should be secured. Lily-of-the-Valley may be forced and had in bloom at any season of the year by keeping the roots in a cold place. For forcing, the single crowns or "pips" should be selected. We offer only the best German pips, grown in the sandy region around Berlin, which seems to be especially suited to the growth and perfect development of this charming plant. For illustration, see page 44.

	Each	Per doz.	Per 100	Per 1,000
<b>Strong Clumps</b> , for planting outdoors.....	\$0 35	\$3 50	\$28 00	
<b>Crowns or Pips</b> , for forcing or pot-culture.....		25	1 75	\$12 00

## ROSE-COLORED LILY-OF-THE-VALLEY.

This is a variety of the well-known white form, and differs from it only in the color of the flowers, which is a clear pretty shade of rose-pink.....  
.....Strong pips, 10 cts. each, 60 cts. per dozen, \$4.50 per 100

## NERINE.

Beautiful greenhouse bulbous plants, the best known of which is the Guernsey Lily (*N. Sarniensis*). The flowers are bright-colored scarlet and yellow, and some species sparkle in the sun as if sprinkled with gold-dust. They succeed best when potted in a compost of loam, leaf-mold and sand, with good drainage. They do not require potting often, but an annual top-dressing of new soil will be of advantage. When the leaves die, store the plants away in a cool place and keep the soil dry until signs of growth are again apparent.

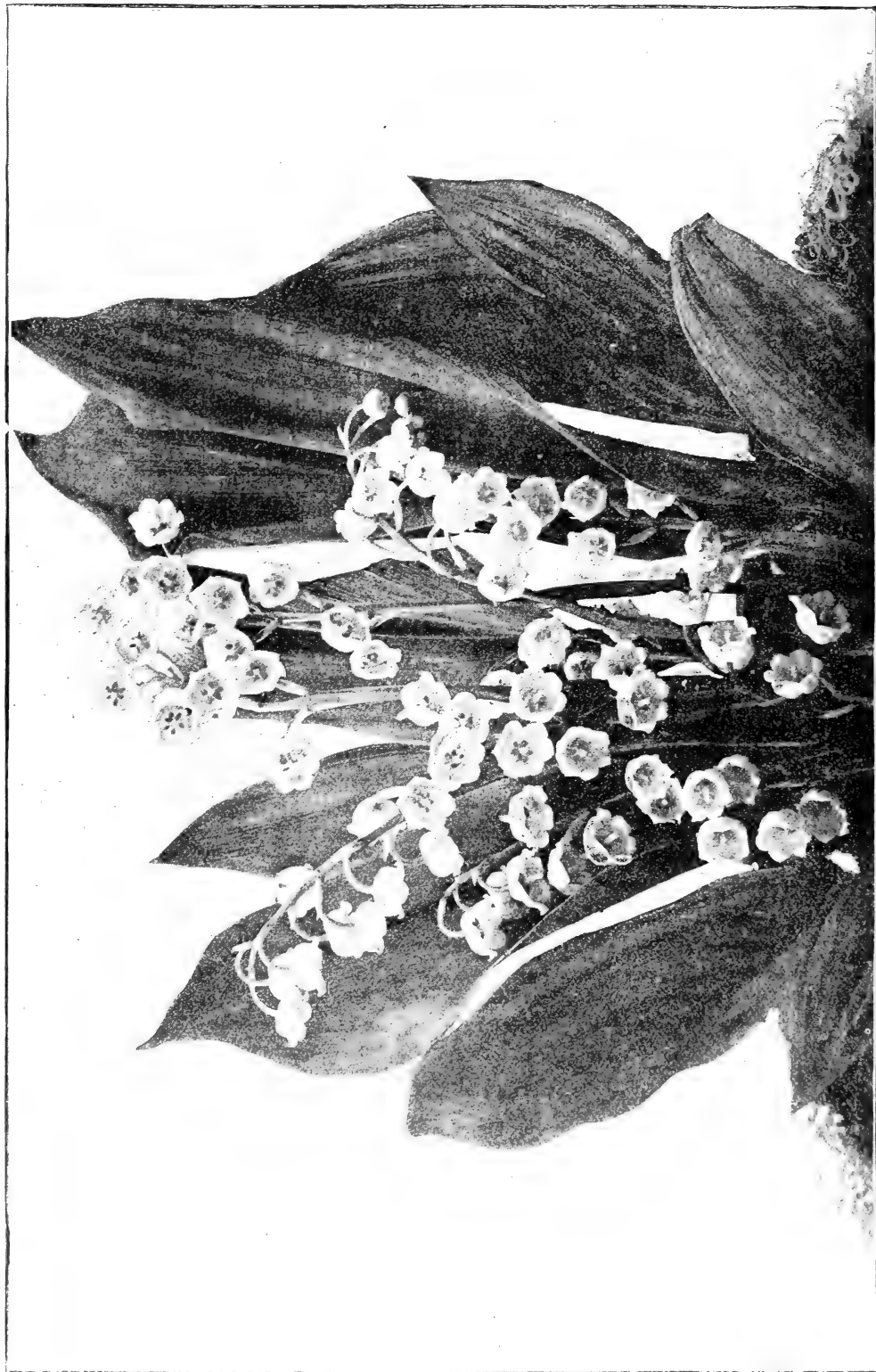
The varieties named are the best and easiest of culture.

	Each	Per doz.
<b>Sarniensis</b> (The true Guernsey Lily). Bright red, with a tinge of salmon. Flower-stalks 15 to 18 inches high, bearing 3 to 6 flowers.....	\$0 25	\$2 50
<b>Fothergilli Major</b> . Flowers of a brilliant scarlet, 20 to 25 in a cluster	1 00	10 00
<b>Undulata</b> . Soft flesh color; scape about one foot high, many-flowered .....	10	1 00

## ORNITHOGALUM.

This genus comprises several species of hardy bulbous plants producing white flowers in small umbels from grass-like foliage. The first-named species is very hardy and often covers a large space in old gardens. The second, *O. Arabicum*, is a prettier species, very extensively used for forcing by florists, the pure white flowers with a black center being brought in at Easter time. It is of very easy culture, and may be planted in succession from September to December, and will thrive in any window. If planted outside, slight protection will be needed in winter.

**Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.**



LILY-OF-THE-VALLEY. (See page 43).

## ORNITHOGALUM—CONTINUED.

	Each	Per doz.
<b>Umbellatum</b> (Star-of-Bethlehem). The little flowers, about an inch across, are white with green veins outside, produced on scapes about 6 inches high .....	\$0 50	\$5 00
<b>Arabicum</b> . One of the most beautiful of Easter flowers. They are milky white with black center, are produced on tall stalks and last a long time in perfection .....	10	75

## OXALIS.

In this genus are included a large number of species, only a few of which are in general cultivation. These are half-hardy or hardy plants with delicate foliage, making them especially suitable for use in hanging-baskets. The flowers, of white, crimson, yellow and other colors, are also attractive. A good turfy loam, with the addition of some sand, is a good soil to pot them in. Six to 12 bulbs may be planted in a five-inch pot.

	Each	Per doz.	Per 100
<b>Alba</b> . White .....	\$0 05	\$0 25	\$1 75
<b>Bowiei</b> . Large flowers, crimson, yellowish at the base of the petals; an elegant species .....	5	25	1 75
<b>Rosea</b> . Rose color outside, paler within .....	5	25	1 75
<b>Lutea</b> . Yellow; large and fine .....	5	25	1 75
<b>Pupurea</b> . Purple; scapes one-flowered .....	8	25	1 75
<b>Versicolor</b> . White inside, reddish outside; a very pretty species .....	5	25	1 75
<b>Mixed</b> .....	5	20	1 50

## PAEONIA.

This is a class of old garden favorites to which we devote special attention. The flowers are in all shades of red, pink and white, single and double, many being delicately rose-scented. The flowers are very valuable for cutting, as they are produced on long stems and last a long time, and travel well. They succeed perfectly in any good garden soil, and all of the herbaceous section offered below are perfectly hardy. *For a complete list of named varieties see our Catalogue of Hardy Perennials, which is sent on application.*

	Each	Per doz.
<b>Albiflora Varieties</b> . These are now produced in all shades, from white through pink, rose and crimson to purple.		
Varieties to color .....	35 to	\$0 50
Mixed Colors .....	25	\$2 50
<b>Tenuifolia</b> . Leaves finely divided; flowers dark crimson. A distinct and handsome species .....	35	3 50
“ <b>Plena</b> . The same with double flowers; very fine .....	75	7 50

SALEM, OHIO, Oct. 15, 1891.

Gentlemen—The box of bulbs came safely, and all satisfactory. Please accept thanks for extra  
 Presias. Yours truly, FANCETT FLUST.

Gentlemen—Bulbs turned out very fine.

JOHN MCFARLAND.

**Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted**

## PANCRATIUM.

These are half hardy or greenhouse bulbous plants from the Mediterranean region. The flowers are white and fragrant and last a long time in perfection, in many cases for several weeks, after being cut. If planted outdoors they must be taken up at the approach of frost, dried off and stored in a dry place until spring. They are useful for pot-culture and can be forced into bloom in six or eight weeks.

	Each	Per doz.
<b>Calathinum.</b> Flowers large, white, and very fragrant, expanding in succession. For pot-culture .....	\$0 25	\$2 50
<b>Illyricum.</b> Flowers white, fragrant; stalk about 1½ feet high.....	50	5 00
<b>Maritimum</b> (Sea Daffodil). Flowers white, fragrant; taller than the preceding.....	30	3 00

## DOUBLE RANUNCULUS.

These are bright-colored, attractive, summer-blooming plants, and may be had in all colors from white through yellow, orange, purple and scarlet, to almost black. The flowers are good size, perfectly double and as beautifully imbricated as a rose. The Turban section alone are hardy in the northern states, but the Persian and French may be planted in spring and taken up before heavy frosts come. They are also useful for forcing, and if put several in a pot and kept in coldframe they may be brought into the house or greenhouse as desired. For outdoor planting a deep, well-drained soil, composed of loam, leaf-mold and decayed manure, will suit them well.

	Each	Per doz.	Per 100
<b>Double Persian.</b> Camellia or rose-shaped flowers, quite double. All colors, mixed .....	\$0 05	\$0 25	\$1 75
<b>Double French.</b> Larger flowers and more vigorous growers; splendid for cut-flowers. All colors mixed.....	5	25	1 25

## DOUBLE TURBAN VARIETIES.

These are hardier than the preceding, and may be planted in the autumn. The flowers are large and early, and the plants are vigorous growers.

	Each	Per doz.	Per 100
<b>Mixed</b> .....	\$0 05	\$0 25	\$1 25

## SNOWDROPS.

Well-known pretty bulbous plants, whose white bell-shaped flowers are among the earliest of spring blossoms, often appearing in March. They are hardy and are suitable to plant with Hyacinths, their blossoms appearing before the latter are hardly out of the ground. They are also beautiful planted with Scillas or Chionodoxas, or set on the edges of beds or along a walk. They are not fastidious, and will thrive in any good garden soil, or may be flowered in pots, but will not bear forcing under heat.

	Each	Per doz.	Per 100
<b>Single Snowdrops</b> ( <i>Galanthus nivalis</i> ). White .....	\$0 05	\$0 25	\$1 50
<b>Double</b> " " " White .....	05	35	2 00
<b>Giant</b> " ( <i>Galanthus Elwesii</i> ). Much larger than the ordinary Snowdrop, often growing a foot high; flowers white, with a greenish spot at the base of each segment.....	05	50	3 00

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.

**SCHIZOSTYLIS COCCINEA.**

(KAFFIR-LILY.)

A greenhouse plant producing 12 to 15 large scarlet flowers on a spike 3 feet high, in November and December. The plant may be set out during the summer, but must be brought in before the approach of frost. The spikes are very valuable for cutting, as they are produced in large quantity . . . 10 cts. ea., 75 cts. per doz.

**SPARAXIS TRICOLOR.**

(AFRICAN HARLEQUIN-FLOWER.)

Flowers orange, with lighter center, borne 3 to 6 on a spike 1 to 2 feet high. May be grown in pots or boxes in the house, or may be planted out-of-doors, though if the latter they will need the protection of a coldframe in winter. The soil that suits them best is a rich, sandy loam . . . . . 5 cts. each, 25 cts. per doz.

**SPIRAEA.**

In the *Spiræa* family are included many handsome shrubs and perennials. The majority of species are hardy and deciduous, and their flowers are usually white or pink. All are of easy cultivation and may be propagated by cuttings or divisions of their roots.

**SPIRAEA JAPONICA.**

(ASTILBE JAPONICA.)

This is a plant very extensively forced by florists, producing crowded panicles of pretty pure white flowers and finely divided leaves. For forcing, the clumps should be potted in the autumn and protected from frost, but not exposed to heat until they start to grow, when they may be brought in and given water sparingly, gradually increasing the quantity of both heat and water, though the spikes will be better if brought out in a low temperature. It is also perfectly hardy and may be planted outside, when it will bloom in summer. Nothing can be better for planting in the border, and its white flowers, produced in great profusion, are admirable for cutting. . . . Strong clumps, 25 cts. each, \$2.50 per doz.

**SPIRAEA JAPONICA GRANDIFLORA.**

This is a grand novelty of recent introduction, and will be found most picturesque. When well-grown its flowers are of a pearly white, DOUBLE THE SIZE OF the common *Spiræa Japonica*; close and compact in form, they give the effect of FOAM PILED IN PYRAMIDAL SHAPE, while the dark green fern-like leaves give a most pleasing contrast. The plant will be found very useful for table decoration, forces admirably, and being perfectly hardy, will be found very suitable for borders. There can be no greater evidence of its value than the fact that it always commands double the price of the old *Spiræa Japonica* when in bloom. See illustration, page 48. Flowering clumps . . . . . 50 cts. each, \$5 per dozen.

**SPIRAEA AUREA RETICULATA.**

Pure white flowers, variegated foliage . . . . . 50 cts. each, \$5 per dozen.

For other varieties, see Herbaceous Catalogue.

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**Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.**



*SPIRÆA JAPONICA GRANDIFLORA.* (See page 47.)

## SCILLA.

Included in this group are a large number of pretty bulbous plants, a few of which are hardy, while others need the protection of a greenhouse in winter. The hardy species, which we offer below, are admirably adapted for planting in borders or for massing. They should be planted in the ground by October, and if possible should not be disturbed for years. Their pretty star-shaped flowers appear with the Crocus and Snowdrop in earliest spring. *S. Sibirica* may be cultivated in pots, but must not be exposed to strong heat.

	Each	Per doz.	Per 100
<b>Sibirica.</b> The slender spikes of rich blue flowers appear in earliest spring .....	\$0 05	\$0 25	\$1 25
<b>Campanulata</b> (Wood-Hyacinth). Blue.....	05	30	1 75
“ <b>Alba.</b> White, in long racemes.....	05	50	3 00
“ <b>Rosea.</b> Rose color .....	05	50	3 00
<b>Peruviana</b> (Cuban Lily). Blue, the flowers crowded in a deltoid head, scape 6 to 12 inches high. A very striking plant, but requiring the protection of a coldframe.....	20	2 00	
<b>Peruviana Alba.</b> Similar to the preceding, but with white flowers.....	25	2 50	

## TRITOMA UVARIA GRANDIFLORA.

(REDHOT-POKER PLANT.)

Also known as Flame-flower, Torch-plant, etc. Flowers large, bright red, fading to orange, disposed on a long crowded spike, appearing in autumn. Will succeed in any good soil, and is a plant especially useful for the herbaceous border, the flowers appearing, as they do, in autumn when most flowers have disappeared ..... 15 cts. each, \$1.50 per doz.

## TRITONIA CROCATA.

A pretty half-hardy bulbous plant, which sends up a tall stalk, bearing numerous Ixia-like flowers of a saffron-yellow color and of a translucent texture. Useful as a pot-plant. .... 5 cts. each, 40 cts. per doz.

## TIGRIDIA.

(MEXICAN TIGER-FLOWER; MEXICAN SHELL-FLOWER.)

Bulbous plants, native to Mexico. The flowers, which are curiously marked and spotted, are produced in late summer and autumn. The bulbs should be planted in May, in a sunny border, in light sandy soil, and must be lifted in the autumn on the approach of frost.

	Each.	Per doz.	Per 100
<b>Conchiflora.</b> Flowers dark yellow, on three-flowered scapes 1 to 2 feet high .....	\$0 15	\$1 50	
<b>Grandiflora Alba.</b> Flowers large, pearly white, the divisions of the perianth marked at the base with large spots of reddish brown .....	25	2 50	
<b>Grandiflora Rosea</b> (new). Flowers same size and habit as <i>T. grandiflora alba</i> , but of a beautiful lilac-rose.....	50	5 00	\$35 00
<b>Pavonia</b> (Peacock Tiger-Flower). Flowers large, 3 inches across, golden orange; stalk about a foot high, three-flowered .....	20	2 00	

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted

## Special Low Offer of Surplusses.

FOR DELIVERY AFTER OCTOBER 1.

As it is impossible to arrive at the exact quantities we are able to dispose of, we expect that our stock will in many instances run short, and also believe that we shall have surplusses. That customers may receive the benefit of these surplusses, we will venture to offer assortments, *our selection*, to include Hyacinths, Tulips, Crocuses, Narcissus, Iris, Chionodoxa, Freesias, Snowdrops, Lily-of-the-Valley, and many other leading kinds, the number of each to be in proportion to its usefulness. In ordering it will be necessary to state whether the bulbs are wanted for outdoor culture entirely, or whether some delicate sorts for house culture are to be included. These collections we offer at the following rates, which are as low as they can possibly be sold—in many instances it is at cost :

<b>50 Bulbs, our Selection.....</b>				<b>\$1 00</b>
<b>100</b>	"	"	"	<b>1 50</b>
<b>125</b>	"	"	"	<b>1 75</b>
<b>250</b>	"	"	"	<b>3 00</b>
<b>500</b>	"	"	"	<b>5 50</b>
<b>1,000</b>	"	"	"	<b>10 00</b>
<b>2,500</b>	"	"	"	<b>24 00</b>
<b>5,000</b>	"	"	"	<b>45 00</b>
<b>7,500</b>	"	"	"	<b>65 00</b>
<b>10,000</b>	"	"	"	<b>80 00</b>

### Doherty's Chemical Manure for Chrysanthemums.

Specially prepared for the cultivation of Chrysanthemums intended for Exhibition. Full directions for use with each packet. 50 cts. per lb., in one and two-pound canisters.

### Little's Antipest.

(Readily Soluble in Cold Water.)

This invaluable preparation may be freely used in Conservatories, in Greenhouses, Stovehouses and the Garden. It is non-poisonous and harmless to vegetation when diluted according to the accompanying Directions. Gardeners will find this a simple, handy and cheap remedy against the attacks of Insect Pests. It mixes instantly with cold water in all proportions. 50 cts. pt., \$1 qt., \$3 gal.

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.



# Seeds of Showy Flowers for Conservatory, Home, and Garden,

## SUITABLE FOR FALL AND WINTER SOWING.

Many hardy annuals, the seeds of which are usually sown in the spring, will do much better, blossoming earlier and more profusely, if the seed be sown the autumn previous; and many of the common hardy annuals and perennials, such as Mignonette, Sweet Alyssum, Candytuft, Pansies, etc., make the loveliest of pot-plants when grown in the winter in the house. The numerous tender annuals and perennials offered below are such as are planted extensively by florists and others for winter and spring blooming. Among the most important are Carnations, Cinerarias, Primulas, Petunias, Cyclamens, etc.

The seed of hardy plants should be sown in a well-pulverized soil in shallow drills, the distance apart depending on the height of the plant when mature. When they come up they must be thinned unsparingly. Keeping free from weeds and occasional watering through the summer are all the attention they require further. Most of the annuals mentioned will bloom more freely and earlier than if sown in the spring.

Tender and half-hardy annuals, biennials and perennials require that the seed be sown in the house in a well-prepared soil composed of rich loam, leaf-mold and well-decayed manure, mixed with some coarse sand. When the plants appear they may be removed one by one into small pots, being transferred into larger ones as they grow, or they may be planted in the window-box or elsewhere. The growth of the plant will be much assisted by occasional applications of liquid manure.

A more complete list of Flower Seeds, as well as Vegetable and Agricultural Seeds, etc., is in our Spring Catalogue, which will be sent to any address on application.

### FLOWER SEEDS.

	Per pkt.
<b>Adonis autumnalis.</b> Hardy annual, producing bright red flowers with a black center.....	\$0 05
<b>Alyssum maritimum compactum</b> (Sweet Alyssum). Hardy annual; flowers white, sweet-scented .....	5
“ <b>saxatile compactum.</b> Hardy perennial, blooming in early spring; flowers yellow .....	5
<b>Aster.</b> Hardy annuals, which must be planted in the open ground in spring. They are very useful for planting in the window garden, however, and are cultivated by florists quite extensively for cut-flow-ers in winter.	
“ <b>Dwarf Pyramidal Bouquet.</b> White, rose, purple and blue.	
Separate colors .....	10
Mixed colors.....	10
“ <b>Dwarf Chrysanthemum-flowered.</b> Rose, white, light blue. scarlet.	
Separate colors .....	10
Mixed colors .....	10
“ <b>Truffaut's Peony-flowered Perfection.</b> White, rose, scarlet, light blue, dark blue.	
Separate colors.....	10
Mixed colors.....	10
“ <b>Quilled German Double</b> (Common China Aster). Mixed colors.....	5

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.

## SEEDS OF SHOWY FLOWERS—CONTINUED.

	Per pkt.
<b>Bellis perennis</b> (Double Daisy). A hardy perennial, best planted in the autumn. Flowers full, double, white, pink and red.	
Fine Mixed .....	\$o 10
Unsurpassed Fine Mixed .....	25
<b>Calceolaria hybrida grandiflora</b> . Pretty greenhouse plants, with curious slipper-shaped flowers of bright colors. Seed best sown in September for winter blooming.	
Self-colored Varieties Mixed, extra-choice strain .....	50
Tigered and Mottled Varieties, extra-choice .....	50
" <b>rugosa</b> . Shrubby; for bedding the coming summer .....	25
<b>Calendula officinalis</b> (Marigold). Hardy annual with double lemon-yellow flowers. Very useful for planting in the house as well .....	5
<b>Campanula calycanthema</b> (Canterbury-Bells). Hardy biennials with handsome bell-shaped flowers of white, purple and rose color. Best planted in autumn. Mixed colors .....	10
<b>Carnations</b> . The well-known half-hardy sweet-scented Carnations, so much raised by florists.	
" Double Finest Mixed, extra-choice .....	25
" Double Fine Mixed .....	10
" <b>Red Grenadin</b> , extra-choice .....	25
<b>Centaurea candidissima</b> . Half-hardy greenhouse perennial with silvery foliage .....	25
" <b>Clementei</b> . Similar to preceding, but with foliage delicately fringed and cut .....	10
" <b>gymnocarpa</b> .....	10
" <b>cyaneus</b> (Corn-Flower). Hardy annual, with bright blue flowers; excellent for cutting .....	5
<b>Chrysanthemum multicaule</b> . Hardy annual, Chrysanthemum, flowers yellow	5
" <b>inodorum flore-pleno</b> . Double white .....	10
<b>Cineraria hybrida</b> . Half-hardy annual, which for winter flowering should be sown the preceding summer. Much raised by florists.	
Very best quality mixed .....	50
" Fine Mixed .....	25
<b>Cobæa scandens</b> . One of the finest greenhouse or conservatory climbers, producing a large number of purple, bell-shaped flowers .....	10
" <b>scandens alba</b> . The same but with white flowers .....	10
<b>Collinsia bicolor</b> . Hardy annual, bearing purple and white flowers .....	5
" <b>verna</b> . Hardy annual, with white and blue flowers .....	5

## CYCLAMEN PERSICUM GIGANTEUM.

NEW CROP OF SEED READY IN JULY.

Recently our attention was called to a very select strain of this magnificent flower; we were so impressed with it that we secured all the grower had, and offer it for sale for delivery in July.

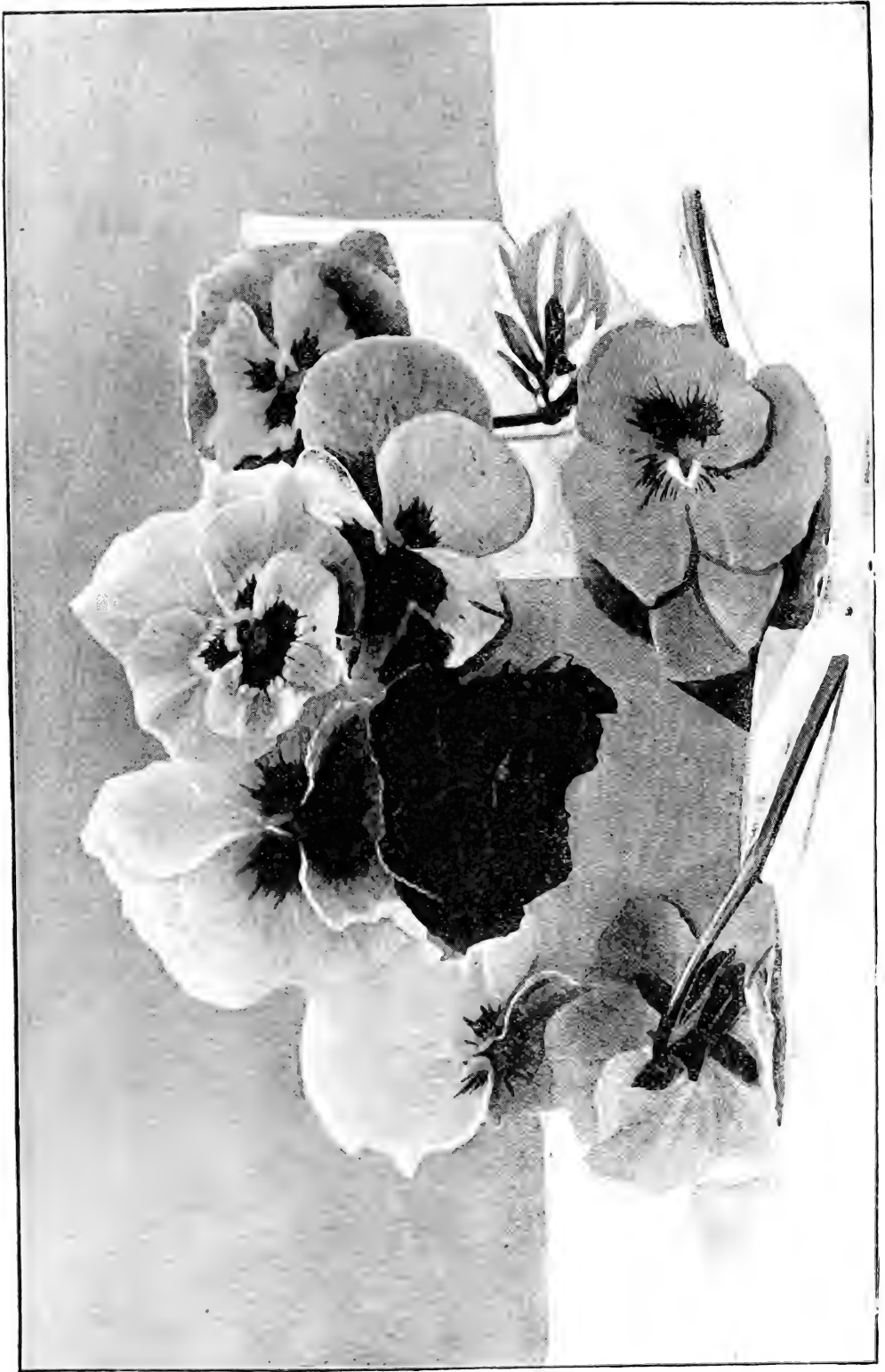
We have every confidence in recommending this stock, as it is produced from the celebrated strain of B. S. Williams, England, and parties desiring this seed should send in their orders at once, as it is limited.

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.

## SEEDS OF SHOWY FLOWERS—CONTINUED.

	Per pkt.
<b>Cyclamen Persicum giganteum album.</b> Grand free-blooming plants, much cultivated by florists. Extra-choice English strain. White ..	50
“ <b>atrorubrum.</b> Dark red .....	50
“ <b>roseum</b> .....	50
“ <b>Mixed colors</b> .....	30
<b>Dianthus barbatus</b> (Sweet-William). A hardy perennial, with bright-colored flowers in terminal clusters .....	5
<b>Digitalis</b> (Foxglove). Tall hardy perennial, with white, purple and spotted flowers. Mixed .....	5
<b>Gaillardia Lorenziana.</b> Half-hardy annual, producing double flowers of various bright colors .....	5
<b>Gaura Lindheimeri.</b> Hardy perennial, with white and pink flowers .....	5
<b>Geranium, Zonale.</b> Finest varieties, mixed. Greenhouse .....	50
“ <b>Apple-scented.</b> Greenhouse .....	25
<b>Gloxinia.</b> These are among the most beautiful of greenhouse flowering plants, and bloom freely the first year from seed. Best Varieties, Mixed. Extra-choice strain .....	50
<b>Hollyhock.</b> Choicest double strain; best planted in the fall.	
Separate colors .....	10
Fine Mixed .....	10
<b>MIGNONETTE</b> (Reseda). Nothing is prettier in the sitting-room in winter than a box of Mignonette in blossom. It will grow in a few weeks from seed, and will produce its sweet-scented flowers in great abundance.	
<b>Large-Flowering</b> .....	5
<b>Golden Queen.</b> Dense pyramidal growth; spikes of a bright golden yellow .....	10
<b>Crimson Queen.</b> Flowers reddish-tinted; very sweet-scented .....	10
<b>Machet. French.</b> Dwarf, with spikes of sweet, dark red flowers .....	10
<b>Pumila Erecta</b> .....	10
<b>Myosotis alpestris</b> (Forget-me-not). A dwarf variety of the well-known hardy perennial, with pretty blue flowers in abundance .....	10
“ <b>dissitiflora.</b> An earlier-flowering variety than the preceding .....	10
<b>PANSY.</b> We can specially recommend our unsurpassed strain. By sowing in fall large plants are produced, covered with bloom in earliest spring, and make the best and most desirable plants for filling vases, window-boxes, etc. The seed should be planted in autumn in pots or boxes and the little plants pricked out into pots and protected by a coldframe during the winter, but given plenty of sunshine and air. We offer only the choicest large-flowered varieties, and as our seed is from one of the best growers it is sure to produce satisfactory flowers. See illustration, page 54.	
<b>Extra-choice Unsurpassed Mixture.</b> The very best .....	50
<b>Extra-fine Large Mixed</b> .....	25
<b>Mixed.</b> .....	10
<b>Giant Trimardeau.</b> Mixed .....	15
<b>Snow Queen.</b> White .....	15
<b>Emperor William.</b> Blue .....	15
<b>Faust.</b> Black .....	15
<b>Prince Bismarck.</b> Bronze .....	15
<b>Gem.</b> Yellow .....	10
<b>Lord Beaconsfield.</b> Violet .....	15
<b>Odier.</b> Blotched .....	15
<b>Striata Perfecta.</b> Striped .....	15

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.



SUPERIOR PANSY SEED FOR FALL SOWING. (See page 53.)

## SEEDS [OF SHOWY FLOWERS—CONTINUED.]

Per pkt.

**PHLOX DRUMMONDII.** These well-known summer bedding annuals are also much used as pot-plants in the house, or for cut-flowers in winter.

<b>Grandiflora Splendens.</b>	Mixed colors .....	\$0 10
“ “	Separate colors .....	10

<b>Stellata Splendens.</b>	Brilliant crimson, with white eye . . . . .	10
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<b>Variabilis</b> <i>Atropurpurea</i> . Dark purple.....	05
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<b>Nana Compacta Nivea</b> (Snowball)	Fine dwarf-growing white variety....	10
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**PRIMULA.** The Primulas are among the finest of flowering pot-plants.

**Sinensis Fimbriata** (Chinese Fringed Primrose). Bright colors.

"	"	Choicest Mixed Varieties.....	50
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“	“	Alba. White.....	25
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“	“	Rubra. Red.....	25
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“	“	Coccinea. Scarlet.....	25
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"	"	Cærulea.	Blue.....	50
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“	“	Globosa Rubra. Red .....	25
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“	“	“	Alba. White.....	25
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“	“	Kermesina Splendens.....	25
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Japonica. Mixed colors.....	10
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<b>Obconica.</b>	White, a very profuse-blooming species.....	25
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**Vulgaris** (English Primrose). The yellow Poet's Primrose of England... 10

**Smilax** (*Myrsiphyllum asparagoides*). The well-known tender climber. . . . . 10

**STOCKS.** If the seed is sown in the fall and wintered in a coldframe they will come into bloom early the following spring.

**Double Ten-Weeks, Large-Flowering Dwarf.** White, Scarlet, Blue, Sulphur-yellow, each separate..... 15

Sulphur, yellow, each separate.....	15
Mixed colors.....	10

<b>Emperor, Large-flowering.</b>	White or Crimson.....	10
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<b>Perfection.</b>	White, Yellow or Crimson.. .. .	15
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Wallflower-Leaved. Choicest mixed.....	10
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Brompton, or Winter. White or Crimson.....	15
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“	“	Mixed.....	10
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Dwarf Bouquet Winter. White or Crimson.....	15
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“	“	“	Mixed . . . . .	10
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**Sweet-Peas.** Hardy annual climber, much grown and admired everywhere.

They will be more certain to give success if the seed is planted the preceding autumn and allowed to remain dormant in the ground over winter.

Mixed colors..... 05

Separate colors . . . . .	10
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**Tropæolum majus** (Tall Nasturtium). Half-hardy annual, producing brilliant flowers of red, yellow and orange. Mixed colors. 05

“ **Lobbianum.** Flowers bright scarlet and yellow. Mixed colors... 10

“ **nanum** (Dwarf Nasturtium). Separate colors, or Mixed . . . . . 10

**Viola odorata.** The well-known English violet, blooming early in the spring. 10

**Verbena.** The well-known bedding plant, which may be grown nicely in the window-box. Mixed colors..... 10

<b>Vinca alba.</b>	Greenhouse shrub, very free-flowering; white . . . . .	10
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" rosea. Flowers rose-colored, white center .....	10
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**Whitlavia grandiflora.** Hardy annual, with plenty of dark blue flowers. . . . 05

**Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.**



MONTVIEW LAWN, SHORT HILLS, N. J.  
*Showing the perfection of our Lawn Grass-Seed Mixture.*

## LAWNS AND PERMANENT PASTURES:

HOW TO MAKE NEW OR IMPROVE OLD GARDEN LAWNS, LAWN-TENNIS AND CROQUET GROUNDS AND BOWLING-GREENS.

### LAWN-GRASS SEED.

When either making a new lawn or renovating an old one by sowing seed, the most important features to be first considered are the texture of the soil, and location and surrounding influences. These should be studied before buying or sowing the seed, as grass varies, and its adaptability to different circumstances is as diverse as that of any other class of vegetation. This to a certain extent, we believe, explains the secret of so many failures in obtaining successful results from seed in making lawns, and convinces us of the uselessness of offering any one mixture as being suitable for all localities. To obviate this we have concluded to offer three grades or mixtures which cover the varied requirements.

It is necessary to sow the seed very thick to get the most pleasing result, sowing not less than four bushels to the acre or one quart to a piece of ground 20 by 25 feet. In early spring or fall dig the ground well, rake and level it; and after the seed is sown, which should be done on a calm, dry day, rake the seed in and roll well, or in the absence of a roller pat the ground down well with the back of a spade or shovel.

Our seed will be found very clean and free from weed-seeds. It weighs about 20 lbs. to the bushel. Add 10 cents per quart for postage if sent by mail.

No. 1. Suitable for exposed, dry sandy soil, and most suitable for the southern states. Per qt., 20 cts.; per pk., \$1.25; per bus., \$4.50.

No. 2. Suitable for medium shady or average soil. Per pt., 20 cts.; per pk., \$1.25; per bus., \$4.50.

No. 3. Suitable for wet and shady or clayey soil. Per qt., 20 cts.; per pk., \$1.25; per bus., \$4.50.

When ordering, customers would do well to explain the situation in which they intend to sow, and describe any peculiar influences bearing upon it, that we may, if necessary, make up a special mixture, suitable for their requirements.

## SEED FOR PASTURE AND HAY.

### PERMANENT OR TEMPORARY.

The growing demand for this kind of crop proves that the sowing of mixed pasture-seed is no longer an experiment, and those who have given it a fair trial cannot speak too highly in its favor. Autumn and spring are equally desirable seasons for sowing grass-seed for pasture, either permanent or temporary, and persons contemplating laying down ground to hay for pasture should write us for particulars concerning the advisability of sowing our mixture in preference to timothy, the article most frequently used by farmers in this section. Our pasture-grass mixtures are superior to timothy in many respects, producing a much larger crop of more nutritious grass; they are permanent and not liable to be winter-killed.

### PERMANENT AND TEMPORARY PASTURE-GRASS MIXTURE.

Our mixture for the above purpose, recommended in ordinary cases for medium soil, to produce grass and clover, is made up as follows, and should be sown fifty pounds to the acre. Per bushel, \$2.25, or three bushels, sufficient to plant one acre, \$6.50.

Lbs.	Lbs.
Orchard-Grass ( <i>Dactylis glomerata</i> ).....	14
Foxtail-Grass ( <i>Alopecurus pratensis</i> ).....	3
Hard Fescue ( <i>Festuca Durivuscula</i> ).....	2
Sheep's-Fescue ( <i>Festuca ovina</i> ).....	2
Meadow-Fescue ( <i>Festuca pratense</i> ).....	2
Sweet Vernal ( <i>Anthoxanthum odoratum</i> ).....	1
Italian Rye-Grass ( <i>Lolium Italicum</i> ).....	7
English Perennial Rye-Grass ( <i>Lolium perenne</i> ).....	6
Wood Meadow-Grass ( <i>Poa nemoralis</i> ).....	2
Rough-Stalked Meadow-Grass ( <i>Poa trivialis</i> ).....	1
Perennial Red Clover.....	5
Perennial White Clover ( <i>Trifolium repens</i> ).....	3
Alsike Clover ( <i>Trifolium hybridum</i> ).....	1
Yellow Clover ( <i>Trefoil; Medicago lupulina</i> ).....	1

 We also supply assortments for any purpose.

**Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.**

# Vegetable Seeds.

We wish to call attention, especially that of market-gardeners and florists, to our seeds. From personal experience we know the vital importance of purity of stock and high germination. In this department purchasers may have every confidence in the goods we offer, as every article we send out will be tested both for germination and purity. We have spared ourselves no expense in the preparation of seed-testing houses and trial and experimental grounds, and have secured only skilled help, many of whom have spent a lifetime in this business.

In most cases the seeds we offer will represent the new crop of 1891, grown by reliable men under our personal supervision; but owing to the southern planters requiring seeds before the new crop is ready, we give as nearly as possible a complete list of Vegetable Seeds, and in Flower Seeds a condensed list of florists' flowers, for fall sowing only.

Quarter pound furnished at pound rate, ten pounds at hundred pound rate, and peck or quarter bushel at bushel rate.

*When seeds are to be sent by mail, eight cents per pound for seeds sold by the pound, and fifteen cents per quart for peas and beans, must be included for postage.*

## ARTICHOKE.

	Pkt.	oz.	lb.
Large Globe.....	\$0 10	\$0 25	\$2 25

## ASPARAGUS.

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Palmetto .....	\$0 10	\$0 20	\$2 50	Colossal .....	\$0 05	\$0 10	\$1 00
Palmetto Roots, \$1.50 per 100.							

## BEANS, Dwarf or Bush.

### GREEN-PODDED VARIETIES.

	Qt.	bus.		Qt.	bus.
New Bush Lima .....	\$0 75	\$12 00	Early China .....	\$0 20	\$3 25
Earliest Red Valentine.....	30	4 50	Dwarf Horticultural.....	35	5 00
Extra-Early Refugee .....	30	6 00	Refugee or Thousand-to-One..	25	5 00
Long Yellow Six Weeks.....	25	4 50	Large White Kidney.....	25	4 00
Early Mohawk.....	25	3 50	White Marrow .....	20	3 75
Early Red Valentine.....	25	3 50			

### WAX OR YELLOW-PODDED VARIETIES.

	Qt.	bus.		Qt.	bus.
Golden-Eyed Wax .....	\$0 25	\$6 00	Flageolet Wax.....	\$0 35	\$6 00
Black-Eyed Wax .....	35	5 50	Black Wax or Butter .....	30	5 00
Golden Wax.....	35	5 50	Wardwell's Kidney Wax.....	30	5 50

## BEANS, Pole or Running.

	Qt.	bus.		Qt.	bus.
Jersey Extra-Early Lima....	\$0 40	\$8 00	Scarlet Runners.....	\$0 30	\$6 00
Large White Lima.....	30	8 00	White Dutch Runners.....	30	6 00
Small Lima or Sieva.....	35	8 50	Giant Wax.....	60	14 00
Dreer's Improved Lima .....	40	8 00	German Wax Pole.....	30	6 50
Horticultural or Speckled Cran- berry.....	25	5 50	Early Golden Cluster Wax ....	50	12 00

Bulbs offered singly or by the dozen are sent by mail, prepaid, at prices quoted.



**B E E T .**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Bastian's Blood-Turnip	\$0 05	\$0 10	\$0 50	Early Flat Bassano	\$0 05	\$0 10	\$0 45
Dewing's Improved Blood-Turnip				Eclipse	05	10	50
..... per 100 lbs., \$45..	05	10	50	Egyptian Turnip	05	10	50
Early Blood-Turnip				Long Smooth Blood-Red	05	10	45
... per 100 lbs., \$40....	05	10	50	Swiss Chard, Silver or Sea-Kale Beet	05	10	60

**MANGEL-WURZEL and SUGAR-BEET.**

	Oz.	lb.		Oz.	lb.
Champion Yellow Globe	\$0 05	\$0 30	Vilmorin's Improved White Sugar-Beet	\$0 10	\$0 40
Colossal Long Red	05	30	White Sugar-Beet	05	30
Golden Tankard	05	30			
Long Yellow	05	30			

**BRUSSELS SPROUTS.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Dwarf Improved	\$0 05	\$0 15	\$2 00	Tall French	\$0 05	\$0 15	\$2 00

**CABBAGE.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Early Blood-Red Erfurt	\$0 05	\$0 20	\$2 00	Large Early York	\$0 05	\$0 15	\$1 50
Early Winnigstadt	10	20	1 75	Late Flat Dutch, Selected	05	20	2 00
Early York	05	15	1 50	Marblehead Mammoth			
Express	10	30	3 50	Drumhead	05	20	2 00
Filderkraut	05	15	1 50	Premium Flat Dutch	05	15	1 50
Fottler's Improved				Red Dutch	05	20	1 50
Brunswick	05	20	2 00	Selected Early Jersey			
Green Glazed	05	20	2 00	Wakefield	05	20	2 50
Henderson's Early Sum-				American Drum head			
mer	05	20	2 50	Savoy	05	20	2 00
Henderson's Succession	10	25	3 00	Early Dwarf Ulm Savoy	05	20	2 00

**CARROT.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Altringham	\$0 05	\$0 10	\$0 75	Early Scarlet Horn	\$0 05	\$0 10	\$0 80
Chantenay	05	15	1 00	Half-Long Red (Nantes Stump-Rooted)	05	10	75
Danvers Half-Long	05	10	75	Intermediate Red (St. Valery)	05	10	1 00
Early French Forcing	05	10	1 00	Improved Long Orange	05	10	70
Early Half-Long Scarlet (English Horn Point- Rooted)	05	10	80	Oxheart or Guerande	05	15	1 00

**CAULIFLOWER.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Early Snowball				Nonpareil or Half-Early Paris	\$0 10	\$0 60	\$7 50
..... ¼ lb., \$12..	05	20	\$3 50	Lenormand's Short- Stemmed	15	60	7 50
Extra-Early Dwarf Er-				Algiers, Large Late	15	70	9 00
furt	15	2 00					

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.

**CELERY.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Boston Market.....	\$0 05	\$0 20	\$2 00	Half-Dwarf.....	\$0 05	\$0 20	\$2 00
Dwarf White.....	05	20	2 00	London Red.....	05	20	2 00
Giant Pascal.....	05	25	2 50	New Rose.....	05	25	2 50
Giant White Solid.....	05	20	2 00	White Plume.....	05	25	2 50
Golden Self-Blanching...	05	25	2 50	White Curled Solid, for			
Golden Dwarf.....	05	20	2 00	Soup-Greens.....		15	1 25

**CELERIAC or TURNIP-ROOTED CELERY.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Apple-Shaped.....	\$0 10	\$0 20	\$1 50	Large Smooth Prague...	\$0 10	\$0 25	\$2 50
Erfurt Giant.....	10	25	2 00				

**CHICORY.**

	Pkt.	oz.	lb.
Large-Rooted.....	\$0 05	\$0 10	\$0 75

**CHERVIL.**

Curled.....	05	15	1 25
Tuberous-Rooted.....	10	20	2 00

**COLLARDS.**

True Georgia.....	05	10	1 00
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**CORN-SALAD or FETTICUS.**

Ordinary Variety.....	05	10	50
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**CRESS or PEPPER-GRASS.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Upland.....	\$0 05	\$1 25		Australian or Golden ..	\$0 05	\$0 10	\$0 80
Extra Curled.....	05	10	\$0 50				

**WATER-CRESS.**

Best.....	\$0 10	\$0 30	\$3 50
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**CUCUMBER.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Early Cluster.....	\$0 05	\$0 10	\$0 70	Green Prolific.....	\$0 05	\$0 10	\$0 70
Early Frame.....	05	10	70	Long Green.....	05	10	80
Early Russian.....	05	10	75	Nichols' Medium Green...	05	10	80
Extra-Early Green Prolific	05	10	70	Short Green or Gherkin..	05	10	80
Extra-Long White Spine.	05	10	70	West India Gherkin or			
Improved Early White				Burr.....	10	20	1 75
Spine.....	05	10	70				

**DANDELION.**

	Pkt.	oz.	lb.
Common.....	\$0 05	\$0 20	\$2 00
Large-Leaved.....	10	30	

**EGG-PLANT.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
New York Improved ...	\$0 10	\$0 40	\$5 00	Black Pekin.....	\$0 10	\$0 40	\$4 50
Early Long Purple.....	10	35	3 50				

**ENDIVE.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Green Curled.....	\$0 05	\$0 15	\$1 50	Broad-Leaved Batavian			
Moss Curled.....	05	20	1 75	(Escarolle).....	\$0 05	\$0 20	\$1 75
White Curled.....	05	15	1 60				

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.

**KALE or BORECOLE.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Siberian, German Greens				Dwarf Green Curled			
or "Sprouts" .....	\$0 05	\$0 10	\$0 50	Scotch.....	\$0 05	\$0 10	\$1 00
				Brown German Curled...	05	10	1 00

**KOHLRABI.**

	Pkt.	oz.	lb.
Early White Vienna .....	\$0 05	\$0 20	\$2 50
Early Purple Vienna.....	05	20	2 50

**LEEK.**

	Pkt.	oz.	lb.
American Flag .....	05	20	1 75
Musselburgh .....	10	20	2 00

**LETTUCE.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
All-the-Year-Round ...	\$0 05	\$0 15	\$1 25	Hanson.....	\$0 05	\$0 15	\$1 25
Big Boston.....	05	20	2 00	Hardy Green Winter....	05	15	1 25
Black-Seeded Butter....	05	15	1 25	Large White Summer			
Black-Seeded Simpson...	05	15	1 25	Cabbage .. .....	05	15	1 25
Boston Market .....	05	15	1 25	New York.....	05	20	1 25
Brown Dutch.. .....	05	15	1 50	Paris White Cos .....	10	15	1 25
Deacon .....	05	15	1 25	Salamander.....	05	15	1 25
Drumhead or Malta.....	05	15	1 25	Tennis-Ball (black-seeded)	05	15	1 25
Early Curled Simpson ...	05	15	1 25	Trianon Cos.....	10	25	3 50
Early Prize Head.....	05	15	1 00	Yellow-Seeded Butter....	05	15	1 25

**MELON, MUSK.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Acme or Baltimore.....	\$0 05	\$0 10	\$0 70	Improved Christiana...	\$0 05	\$0 10	\$0 70
Casaba .....	05	10	75	Jenny Lind.....	05	10	75
Early Hackensack.....	05	10	75	Large Yellow Cantaloupe.	05	10	75
Emerald Gem .....	05	10	75	Montreal Market.....	05	10	70
Golden Netted Gem .....	05	10	75	Nutmeg.....	05	10	70
Green Citron.....	05	10	70	Skillman's Netted.....	05	10	75
Hackensack .....	05	10	60	Surprise.....	05	10	75

**MELON, WATER.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Black Spanish .....	\$0 05	\$0 10	\$0 60	Mountain Sprout .....	\$0 05	\$0 10	\$0 60
Cuban Queen. ....	05	10	60	Mountain Sweet.....	05	10	60
Florida Favorite.....	05	10	60	Phinney's Early.....	05	10	60
Georgia Rattlesnake or				Pride of Georgia .....	05	10	60
Gipsy.....	05	10	60	Ruby Gold .. .....	10	15	1 00
Green and Gold.....	05	10	60	Scaly-Bark.....	05	10	60
Mammoth Ironclad .....	05	10	60	Citron (for preserving),			
Ice-Cream (white-seeded).	05	10	60	Red Seed.....	05	10	75
Kolb's Gem .....	05	10	60	Citron (for preserving),			
Light Icing .....	05	10	60	Green Seed .....	05	10	75

**MUSHROOM-SPAWN.**

	Per lb.
English.....	per 100, \$8.. \$0 10
French, in boxes of two pounds .....	30

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.

**MUSTARD.**

	Pkt.	oz.	lb.
White London .....		\$0 05	\$0 25
Brown or Black .....		05	25

**NASTURTIUM or INDIAN CRESS.**

Tall. Flowers mixed colors .....	\$0 05	15	1 25
Dwarf .....	05	15	1 25

**OKRA or GUMBO.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
White Velvet .....	\$0 05	\$0 10	\$1 00	Long Green .....	\$0 05	\$0 10	\$0 50
Dwarf Prolific .....	05	10	60				

**ONIONS—Italian Varieties.**

These varieties can all be planted in the fall, but need slight protection during the winter when sown north of Maryland. They are specially adaptable for growing in the southern states for market purposes, but as they are poor keepers, they are usually sold in the green condition, bunched.

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
New Mammoth Pompeii .....	\$0 05	\$0 20	\$1 75	Large Red Italian Tri-			
Giant Rocca .....	05	15	1 25	poli .....	\$0 05	\$0 15	\$1 25
New Neapolitan Marzajola .....	05	15	1 25	Giant White Garganus or			
Queen .....	05	15	1 75	Silver King .....	05	20	2 00
Large White Italian				Bermuda Pale Red .....	05	20	2 00
Tripoli .....	05	15	1 25	" White .....	05	20	2 00

**PARSNIP.**

	Pkt.	oz.	lb.
Long Smooth or Hollow Crown .....	\$0 05	\$0 10	\$0 50
Early Round .....	05	10	60

**PARSLEY.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Emerald .....	\$0 05	\$0 15	\$0 90	Hamburg, or Turnip-			
Extra Double Curled .....	05	10	50	Rooted .....	\$0 05	\$0 10	\$0 75

**PEAS, Extra-Early and Second Early.**

	Qt.	bus.		Qt.	bus.
American Wonder .....	\$0 25	\$5 00	McLean's Advancer .....	\$0 20	\$4 00
Extra-Early Premium Gem .....	25	5 00	McLean's Little Gem .....	25	5 00
Horsford's Market-Garden .....	20	5 00	First of All .....	25	3 50
Improved Daniel O'Rourke .....	20	3 50	Philadelphia Extra-Early .....	20	3 25
Laxton's Alpha .....	25	5 00	Tom Thumb .....	25	5 00

**PEAS, for General Crop.**

	Qt.	bus.		Qt.	bus.
Abundance .....	\$0 25	\$5 00	Stratagem .....	\$0 35	\$6 00
Black-Eyed Marrowfat .....	15	2 00	Telephone .....	35	6 00
Champion of England .....	20	4 00	White Marrowfat .....	15	2 00
Culverwell's Telegraph .....	30	6 00	Yorkshire Hero .....	25	4 00
Everbearing .....	25	5 50	Canada Field, white for soiling .....		1 40
Pride-of-the-Market .....	30	6 00			

**PEPPER.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Child's Celestial .....	\$0 05	\$0 40		Sweet Spanish .....	\$0 05	\$0 25	\$2 75
Golden Dawn .....	05	25	\$2 75	Large Bell, or Bullnose .....	05	25	2 75

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## PEPPER—CONTINUED.

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Sweet Mountain or				Squash, or Tomato-			
Mammoth.....	\$0 05	\$0 25	\$2 75	Shaped .....	\$0 05	\$0 25	\$2 75
Ruby King.....	05	35	4 00	Long Red Cayenne .....	05	25	2 75
				Chili .....	05	25	2 75

## POTATOES.

Owing to the young state of the crop at this time, it would be useless to affix prices; but as we are in position to furnish all the leading kinds, would be glad to quote prices for any quantity and kind upon application. Present quotation for all leading kinds, \$2.50 per barrel, list upon application.

## PUMPKIN.

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Large Cheese.....	\$0 05	\$0 10	\$0 50	Connecticut Field ....	\$0 05	\$0 25	
Cashaw.....	05	10	70	Sugar .....	\$0 05	10	50
Large Tours, or Mammoth	05	20	1 50				

## RHUBARB.

	Pkt.	oz.	lb.
Linnaeus.....	\$0 05	\$0 20	\$1 75
Victoria.....	05	20	1 75

## RADISH.

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Beckert's Chartier....	\$0 05	\$0 10	\$0 60	Long White Vienna, or			
California Mammoth				Lady-Finger ..	\$0 05	\$0 10	\$0 60
White Winter .....	05	10	90	Red Forcing Turnip .....	05	10	60
Early Scarlet Globe ....	05	10	75	Rose China Winter .....	05	10	60
Early White Turnip .....	05	10	50	Round Black Spanish....	05	10	60
Early Round Dark Red...	05	10	50	White-Tipped Scarlet			
Early Scarlet Turnip....	05	10	50	Turnip. 100 lbs., \$40			
French Breakfast.....	05	10	50	(10 lbs. at 100-lb. rates)	05	10	50
Giant White Stuttgart....	05	10	70	Wood's Early Frame ....	05	10	50
Long Scarlet Short-Top..	05	10	40	White Summer Turnip...	05	10	60
Long White Naples.....	05	10	50	White Olive-Shaped .....	05	10	50
Long Black Spanish.....	05	10	60	White Strasburg .....	05	10	70
Long White Spanish.....	05	10	60	Yellow or Golden Summer			
Olive-Shaped Scarlet ....	05	10	50	Turnip .....	05	10	50

## SALSIFY or OYSTER-PLANT.

	Pkt.	oz.	lb.
Long White .....	\$0 05	\$0 10	\$1 00
Improved Mammoth Sandwich Island.....	05	15	50

## SCORZONERA or BLACK OYSTER-PLANT.

Best strain.....	05	15	2 00
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## SEA-KALE.

Best strain.....	10	25	3 00
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## SORREL.

Broad-leaved .....	10	15	1 00
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**SPINACH.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
<b>Bloodsdales, or Norfolk</b>				Prickly	10 lbs. for 2.50..	\$0 05	\$0 30
<b>Savoy-Leaved</b> .....	\$0 05	\$0 20		LargeRound-Leaf Viroflay			
Round-Leaved .....				.....10 lbs. for 1.50..	05	20	
.....10 lbs. for \$1.25..	05	20		<b>Thick-Leaved</b> .....			
Long Standing .....				.....10 lbs. for 1.50..	05	20	
.....10 lbs. for 1.50..	05	20		New Zealand .....	\$0 10	15	75

**SQUASH.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Boston Marrow .....	\$0 05	\$0 10	\$0 70	Marblehead.....	\$0 05	\$0 10	\$0 60
Bush Summer Crookneck	05	10	60	Perfect Gem .....	05	10	50
<b>Early Prolific Marrow</b> ...	05	20	1 00	Pineapple .....	05	10	60
English Vegetable Marrow	05	15	1 00	<b>Sibley</b> .....	05	10	60
Essex Hybrid.....	05	10	75	White Bush Scalloped...	05	10	60
Hubbard .....	05	10	70	Yellow Bush Scalloped...	05	10	60
Mammoth Chili .....	05	15	1 75				

**TOBACCO-SEED.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Gold-Leaf .....	\$0 05	\$0 25	\$3 00	Connecticut Seed-Leaf.	\$0 05	\$0 25	\$2 50
Hester .....	05	25	2 75	Imported Havana .....	05	50	3 50
Florida .....	05	25	3 00	Virginia .....	05	25	3 00
Sumatra.....	05	25	3 50	Kentucky .....	05	25	3 00
Primus .....	05	25	3 50	Maryland.....	05	25	2 50

**TOMATO.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Acme.....	\$0 05	\$0 20	\$2 00	Paragon .....	\$0 05	\$0 20	\$2 00
Cardinal .....	05	25	2 25	Perfection .....	05	20	2 00
<b>Early Ruby</b> .....	10	50	3 00	Queen .....	05	20	2 25
Essex Hybrid .....	05	20	2 25	Table Queen.....	10	50	3 00
General Grant .....	05	20	2 25	<b>Trophy, Extra Selected</b> ..	05	25	2 25
<b>Golden Sunrise (Golden</b>				Volunteer.....	05	25	2 25
Queen).....	05	20	2 50	Red Pear-Shaped.....	10	30	3 50
Hathaway's Excelsior....	05	20	2 50	Yellow Plum.....	10	30	3 50
Livingston's Favorite .....	05	20	2 00	Red Cherry .....	10	30	3 50
<b>Livingston's Beauty</b> .....	05	25	2 25	Greengage .....	10	30	3 50
<b>Mikado</b> .....	05	25	2 75	Strawberry, or W i n t e r			
New Dwarf Champion....	05	25	2 75	Cherry .....	10	30	3 50

**TURNIP.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Flat Dutch(Early)....	\$0 05	\$0 10	\$0 30	<b>Red-Top Strap-Leaf</b> ...	\$0 05	\$0 10	\$0 30
<b>Golden Ball</b> .....	05	10	35	<b>White Egg</b> .....	05	10	40
Large White Norfolk ...	05	10	35	White Strap-Leaf (Early)	05	10	30
Long White or Cowhorn..	05	10	35	<b>Yellow Aberdeen Purple-</b>			
<b>Milan Extra-Early</b> .....	05	10	50	Top.....	05	10	30
Pomeranian White Globe	05	10	40	Yellow Globe .....	05	10	35
Purple-Top White Globe.	05	10	30	Yellow Stone....	05	10	35

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**RUTABAGA.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Purple-Top, Improved,				Skirving's Purple-Top	\$0 05	\$0 10	\$0 25
American	\$0 05	\$0 10	\$0 35	Large White French	05	10	35
Long Island Improved				White Rock	05	10	35
Purple-Top	10	15	50				

**SWEET POT and MEDICINAL HERBS.**

	Pkt.	oz.	lb.		Pkt.	oz.	lb.
Anise	\$0 05	\$0 10	\$1 50	Lavender	\$0 05	\$0 20	\$2 50
Balm	05	30	4 00	Marjoram, Sweet	05	20	2 00
Basil, Sweet	05	25	3 50	Marjoram, Pot.	05	40	5 00
Bene	05	10	1 50	Poppy, Opium	05	20	2 50
Borage	05	15	1 25	Rosemary	05	30	4 00
Caraway	05	10	75	Rue	05	20	2 50
Castor-Oil Plant	05	10	60	Saffron	05	10	1 50
Catnip	10	50		Sage	05	20	2 00
Coriander	05	10	75	Savory, Summer	05	20	2 50
Dill	05	10	80	Thyme, Broad-Leaved			
Fennel	05	10		English	05	25	2 75
Hop-Seed	10	1 00		Tansy	05	30	4 00
Horehound	05	40	5 00	Winter Savory	05	30	3 00
Hyssop	05	20	2 50	Wormwood	05	40	5 00

**Sundry Agricultural Seeds.****GRASSES.**

	Per lb.	bus
Finest Mixed Lawn-Grass	\$4 5	
Bermuda-Grass	\$1 00	
English Rye-Grass	05	
Italian Rye-Grass	10	
Red-Top Grass. 14 lbs. to bushel		80
Kentucky Blue-Grass. Fancy ; extra-clean. 14 lbs. to bushel		3 00
Orchard-Grass. 14 lbs. to bushel		2 00
Timothy or Herd-Grass. 45 lbs. to bushel		2 50

**CLOVER.**

	Per lb.	bus
Alsike	\$0 30	
Red	15	
White	30	
Alfalfa	16	
Sainfoin	15	
Scarlet	14	
Japan	30	

**SORGHUM.**

Broom-Corn, Evergreen	10
Doura, Rural Branching	35
“ Yellow Branching	35
Kaffir-Corn	20
Sugar-Cane, Early Amber, \$8 per bu.,	20
“ Early Orange . 3 “	20

**MILLET.**

	Bus.
Hungarian Grass. 48 lbs. to bushel	\$2 00
German or Golden. Market price, about	2 00

**GRAINS, ETC.**

	Bus.
Rye, Excelsior Winter	\$1 50
Wheat. Prices on application	about 2 00
Buckwheat, Silver Hull	1 00
“ New Japan	1 50
Wild Rice . . . per lb., 25 cts	
Vetches or Tares	3 50
Russian Sunflower. 25 lbs. to bushel	2 00
Cotton-Seed, Sea Island . . per lb., 10c	
Osage Orange . . . . . “ 20c	

**BIRD-SEED.**

Canary . . . . . per qt., 15 cts	3 00
Hemp . . . . . “ 15 cts	3 00
Rape . . . . . “ 15 cts	2 50
Maw . . . . . per lb., 20 cts	

**FRUIT-SEEDS.**

	Oz.	lb.	bus.
Apple	\$0 30	\$8 00	
Cherry, Mahaleb		25	
Currant, Red, White, Black	\$0 30	2 50	
Gooseberry, Red, Yellow and Green	1 00		
Peach-Pits		2 75	
Pear	20	2 00	
Quince	20	2 00	
Raspberry	40	3 00	
Strawberry, Large and Red			
Alpine	75		

# MISCELLANEOUS GARDEN REQUISITES.

## TOOLS, IMPLEMENTS, FLOWER-POTS, FERTILIZERS, INSECTICIDES, ETC.

		Each			Each
Ax, with handle.	Medium size....	\$1 25	Hoes, Onion.	1-prong.....	\$0 35
" "	Heavy .....	1 65	" "	2 " .....	40
" "	Pruning .....	50	Hook, Bill .....		1 50
Bamboo Stakes.	5-foot.. \$2 per 100.		" Brush .....		2 00
Barrow, Garden.	\$4 and \$6 each.		" Grass, or Sickle.	Size No. 1.	35
Brush, Aphis.....		65	" " " " " 2.		50
Chisel, Grafting .....		65	" " " " " 3.		60
Dibber. Two sizes .....		50	" Potato .....		50
Floral Tool-Set. Four pieces with			Horse Lawn-Boots. per set of 4, \$12.50		
long handles .....	1 25		Hose, Rubber—	Per 100	
Forks, Digging. 4 tines .....	80		Very best, ½-inch .....	\$0 18	
" " 5 " .....	95		" " ¾ " .....	20	
" Manure. 4 " .....	80		" " 1 " .....	25	
" " 5 " .....	95		Good quality, ½ inch.....	12½	
" Hay. 2 tines .....	45		" " ¾ " .....	13	
" " 3 " .....	60		" " 1 " .....	20	
" Hickory, Stable .....	60		Hydrionette Pump .....	6 25	
Fumigator, Excelsior. 4-qt. size ...	2 50		Knives, Asparagus .....	1 25	
" " 8 " " .....	3 75		" Grass or Edging. With		
Glasses, Hyacinth—			handle .....	50	
Tall. Assorted colors.....			" Budding.....	\$1 and 1 25	
(Tye's patent). per doz., \$1.75..	20		" Pruning.....	\$1, \$1.25 and 1 50	
Low (Tye's patent). Assorted col-			Labels, Wooden—	Per 1,000	
ors.....per dozen, \$1.75..	20		Plain Painted		
Glass-Cutter and Glazing Tools ....			Pot or Garden. 4-in., pointed.	\$0 50 \$0 75	
.....per doz., \$1.25..			" " 5 " " .....	75 1 00	
Glazing Points. 1,000 in a box.....			" " 6 " " .....	1 00 1 25	
.....per box, 95 cts..				Per 100	
Glazing Pincers .....	65		" " 8 " " .....	\$0 35 \$0 50	
Hoes, Draw or Field. 5-inch.....	35		" " 12 " " .....	45 60	
" " " 6 " .....	40		Tree or Plant, notched.....	Per 1,000	
" " " 7 " .....	45		3½-in.. \$0 45 \$0 60		
" " " 8 " .....	50		" " copper-wired.		
" Scuffle or Push. 5-inch.....	65		3½-inch... 1 75 2 00		
" " " 7 " .....	80		" " notched .6-in. 1 25 1 75		
" " " 9 " .....	90			Each	
" Warren. 1st size. Small ...	60		Line, Garden. Braided linen .....		
" " 2d " Medium .	70		per 100 ft., 45 cts..		
" " 3d " Large ...	85		" " Braided cotton .....		
			per 100 ft., 25 cts..		
			Mattock. With handle .....	\$1 25	
			Mats, Archangel....	Prices variable	
			Mole-Trap, Hale's .....	2 25	

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## MISCELLANEOUS GARDEN REQUISITES—Continued.

				Each					Each
<b>Nozzle, Hose—</b>					<b>Spades—</b>				
Brass, with stop-cock, spray and stream tips. $\frac{3}{4}$ -inch .....					Best Quality. Square point, long or short handle.....				
1-inch .....					Ames' Extra Quality .....				
Graduating Spray. $\frac{3}{4}$ -inch .....					<b>Sprinkler, Lawn.</b> 4-arm.....				
1-inch .....					" " 8 " .....				
<b>Rakes—</b>					" " Perfection .....				
Steel, Garden. 6 teeth .....					" Plant. Rubber bulb. $\frac{1}{2}$ -pt. ....				
" " 8 " .....					" " " " 1 " .....				
" " 10 " .....					<b>Thermometer—</b>				
" " 12 teeth .....					Tin, Japanned. 7-inch .....				
" " 14 " .....					" " 8 " .....				
" " 16 " .....					" " 10 " .....				
Wooden, Hay. 12 teeth .....					" " 12 " .....				
" Lawn. 22 teeth .....					Cylindrical or Dairy.....				
<b>Raphia, for tying.</b> .per lb., 20 cts ...					Registering .....				
<b>Reels, Hose—</b>					Hotbed and Mushroom bed. 12-in. ....				
Holding 100 feet of hose .....					<b>Tree-Pruner, Waters'.</b> 4-ft .....				
Holding 200 feet of hose .....					" " 6 " .....				
<b>Reels, for Garden Line.</b> Large ....					" " 8 " .....				
" " Small ....					" " 10 " .....				
<b>Rollers, Iron Lawn—</b>					<b>Tree-Scraper.</b> .....				
Width					<b>Trowel—</b>				
Section.	of each Sec.	Height.	Weight.		Solid steel. Welded, extra-strong.				
2	7½ ins.	15 ins.	125 lbs..	7 50	6-in.....				
1	20 "	20 "	220 "	12 50	7-in.....				
2	12 "	20 "	300 "	16 25	8-in.....				
3	12 "	20 "	450 "	22 50	American. 5-in.....				
2	12 "	24 "	400 "	19 50	6-in.....				
2	12 "	28 "	500 "	22 50	7-in.....				
<b>Saws, Pruning.</b> Two-edged. 16-inch. ....					8-in.....				
" " " 18 " .....					<b>Watering-Pots, Galvanized.</b> 6-qt... ..				
" " " 20 " .....					" " 8 " .....				
<b>Scissors, Grape-Thinning</b> .....					" " 10 " .....				
<b>Scythes, Lawn.</b> 30 to 38-inch.....					" " 12 " .....				
" Hay or Grass. 30 to 38-inch. ....					" " 16 " .....				
" Snath, or Handles .....					" " French 6-qt. ....				
" Bush.....					" " 8 " .....				
<b>Scythe-Stones.</b> English Round					Per lb.				
" Talacre.....					<b>Wax, for grafting.</b> .....				
" American .....					" French. $\frac{1}{4}$ and $\frac{1}{2}$ -lb. packages. ....				
<b>Shears, Pruning.</b> Solid Steel. 7½-in. ....					<b>Weeders—</b>				
" " 8½ " .....					Each				
" " 9½ " .....					Hand Excelsior .....				
<b>Shovels—</b>					" Noyes'.....				
Best quality. Square point, long or short handle.....					" Hazeltine's .....				
Ames' Extra Quality.....									
" Round Point.....									
Potato. Steel wire. Large.....									

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## FLOWER-POTS.

### STANDARD MAKE.

Height and width inside.	Each	Per doz.	Per 100	Per 1,000
1 $\frac{3}{4}$ inch....	\$0 08	\$0 50	\$4 00	
2 " ....	09	55	4 50	
2 $\frac{1}{4}$ " ....	10	60	5 00	
2 $\frac{1}{2}$ " ....	11	75	5 75	
3 " ....	12	80	6 50	
3 $\frac{1}{2}$ " ....	20	1 25	10 00	
4 " ....	25	1 45	11 50	
5 " ....	35	2 25	18 00	

### STANDARD MAKE—CONTINUED.

Height and width inside.	Each	Per doz.	Per 100	Per 1,000
6 " ....	\$0 55	\$3 75	\$30 00	
7 " ....	\$0 10	85	5 60	45 00
8 " ....	15	1 25	7 80	
9 " ....	20	2 00	13 75	
10 " ....	25	2 35	15 95	
11 " ....	30	3 25	21 85	
12 " ....	40	3 75	25 00	
14 " ....	50	5 80	38 75	

## FOR ORCHID-CULTURE.

Well made of seasoned cherry, such as we ourselves use.				Per doz.
Cribs.—Size,	4 inches			\$1 65
"	5 "			2 00
"	6 "			2 15
"	7 "			2 40
"	8 "			2 65
"	10 "			2 85
"	12 "			3 60

Per bbl.

Fibrous Peat, picked, ready for use.....	\$4 50
Peat, as collected.....	2 75
Sphagnum Moss, best quality, picked, ready for use.....	4 50
Sphagnum Moss, as collected.....	2 75

## INSECTICIDES.

	Per lb.		Per lb.
Fir-Tree Oil ..... per pt., \$1..		Carbolic Soap, in $\frac{1}{4}$ -lb. packages ...	\$0 65
Persian Powder ..... \$0 65		Tobacco-Soap .....	45
Paris Green .....	35	Gishurst's Compound .....	50
Powdered White Hellebore .....	40	Whale-Oil Soap .....	20
Slug-Shot ..... 5 lbs., 35 cts...		Tobacco-Stems. 50-lb. bale.....	1 00
Hammond's Grape-Dust for Mildew..		Tobacco-Dust. Very finely sifted ...	
..... 5 lbs., 40 cts...		25 lbs. for \$1. 50; 10 lbs. for 80 cts..	10
Flowers of Sulphur.....	08		

## FERTILIZERS.

### MISCELLANEOUS—

	Per lb.	100 lbs.
Lawn .....	\$0 05	\$3 75
Bone-Meal.....	05	3 75
Cotton-seed meal.....	05	3 25
Peruvian Guano.....	05	3 25
Ground Bone .....	05	3 25
Crushed Bone.....	05	3 25
Unleached Canadian Ashes	05	2 50

**Compressed Sheep-Manure.** The best natural fertilizer for either potted plants or for the open ground; free from all seeds of noxious weeds. Dissolved in water makes the best liquid manure. In cakes, per lb., 5 cts.; per bag of 100 lbs., \$2. 50. The same, pulverized, per lb., 5 cts.; per bag of 100 lbs., \$3

PRINCETON, N. J., May 7, 1891

The Chrysanthemums arrived in excellent condition. I have never seen plants so vigorous and well developed. Please receive my thanks.

P. C. RICKETTS.

# Columbia Flower-Tubs.

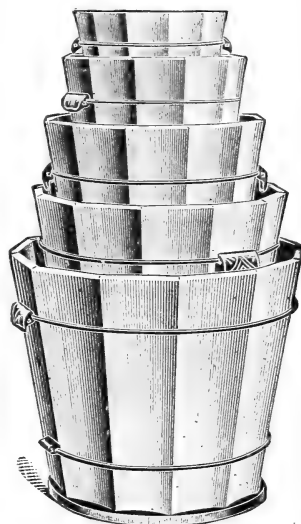
In introducing these new and practically constructed Flower-Tubs, we feel confident that they will fill a long felt want in this line of goods.

The Tubs are made of the best pine lumber, which will keep for years without rotting. They are made of twelve staves in tapered shape, held together by two heavy steel wires, which are connected by substantial iron handles, and are so arranged that the wire can be tightened or loosened by simply turning nut on handle.

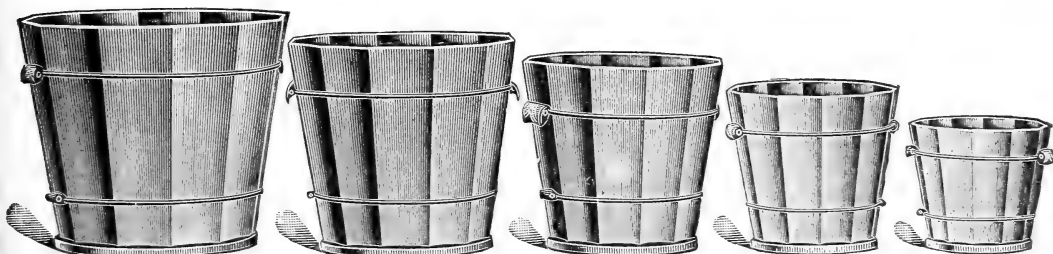
It often happens on ordinary tubs, that the staves shrink while the tubs are dry and empty, and consequently fall apart. We guarantee our tubs will never fall apart, for this reason, that the heavy steel wire is placed in grooves cut in each stave, and when the tubs get very dry, wire can be tightened by the nut on handle as described above.

The handle itself is so constructed that the tub can be lifted by hand, and in case the plants are heavy, sticks can be inserted in handle, thereby allowing all weights to be lifted with perfect safety.

We furnish these Tubs painted with heavy oils in dark wine color, highly finished and varnished. We manufacture them in five sizes, as follows:



12	in.	diam.	by 11	in.	high	.....	\$1 00
15	"	"	" 14	"	"	.....	1 50
18	"	"	" 16½	"	"	.....	2 00
21	"	"	" 18½	"	"	.....	2 50
24	"	"	" 20½	"	"	.....	3 00



We also make the same five sizes constructed precisely as described above, in fancy style, made from California redwood and cypress, and highly finished on the natural wood as follows:

12	in.	diam.	by 11	in.	high	.....	\$1 50
15	"	"	" 14	"	"	.....	2 25
18	"	"	" 16½	"	"	.....	3 00
21	"	"	" 18½	"	"	.....	3 75
24	"	"	" 20½	"	"	.....	4 50

# BOOKS

## Pertaining to Horticulture and Garden.

A list of Horticultural and Gardening Books, a selection of which should be in the library of every florist, gardener, or amateur grower and lover of plants and flowers.

### **The Illustrated Dictionary of Gardening.**

A Practical Encyclopedia of Horticulture for Gardeners and Botanists. By George Nicholson, and others. *Illustrated with numerous full-page plates printed in colors and over 2,000 accurately executed wood-cuts in the text.* The most complete work of the kind ever published; giving full particulars regarding all kinds of exotic and hardy plants and vegetables in cultivation. 4 vols., imp. 8vo, including the supplement of new species and varieties, cloth, gilt edges, \$20.

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A Treatise on the Chemical Composition, Structure and Life of the Plant. By Prof. Samuel W. Johnson, of Yale College. New edition, entirely rewritten and greatly enlarged. *With numerous illustrations.* 12mo, cloth, \$2.

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By Prof. Samuel W. Johnson. A Treatise on the Atmosphere and the Soil as Relating to the Nutrition of Agricultural Plants. *With illustrations.* 12mo, cloth, \$2.


### **Elements of Agriculture.**

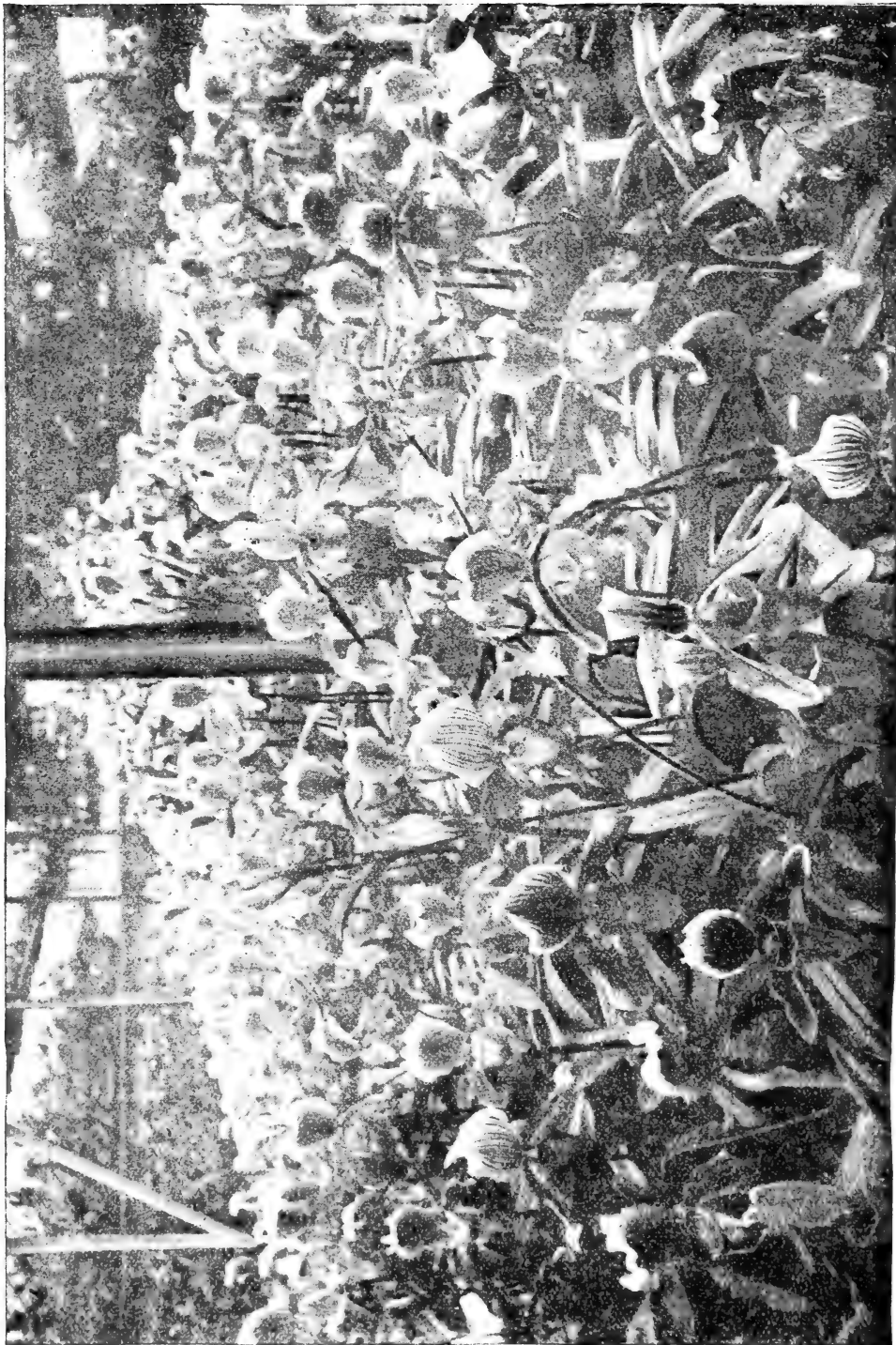
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A View in One of our Cypripedium-Houses.

# Orchids and Cypripediums.

**T**HIS CLASS of plants, the grandest in the entire vegetable kingdom, is our great specialty, and our collection of Orchids of all sorts is the finest sale collection in America ; and of Cypripediums, of which we have more than 400 varieties, is the finest in the entire world. We import, through our own collectors and correspondents in all parts of the world, thousands of plants of the better varieties, most of which become established in our spacious glass-houses before being sent out. We also raise a great number of hybrid seedlings in our own nurseries, having now nearly 2,000 such seedlings of Cypripediums alone which have never blossomed. All the rare varieties and sports, as well as hybrids raised in any of the horticultural establishments of Europe, are secured as soon as they are in the market.

Orchids stand preëminent to-day as the fashionable flower, especially for table decoration at dinner-parties, weddings, etc., and in fact, for any purpose where flowers are required, different from the lovely but common roses and carnations. And certainly there are no finer flowers in any class than the Cattleyas and Lælias, Dendrobiums, Odontoglossums and curious Lady's-slippers.

Orchids are easy of culture, if a few cardinal directions are taken into account and followed. Most varieties, including many of the very best, will thrive in any ordinary greenhouse or conservatory where the temperature is kept from 50 to 60 degrees throughout the year, and may be cultivated with palms, ferns, etc. As a guide to those just taking up the fascinating pursuit of Orchid-culture, we have prepared a little pamphlet, "Orchids for Beginners," which is sent on application. In this will be found described with simple cultural directions, the best species for the beginner, all of which may be had at moderate prices.

We can make up collections, including only fine plants, at from \$2 to \$5 per plant ; or, if customers desire, we will use our best judgment and long years of experience to give them the best varieties for any conditions, or to bloom in certain seasons.

A visit to our establishment at any season of the year will well repay the time expended. We are on the D. L. & W. R. R., one hour from New York city, with frequent trains in both directions.

The following books have been published, any of which will be sent post-free on application :

**Price-list of Cypripediums.**

**Price-list of Orchids (other than Cypripediums).**

**Orchids for Beginners.**

**Also our Descriptive and General Illustrated Catalogue.**



A View in One of our Palm-Houses.



# Palms, Ferns and Other Foliage-Plants.

**M**OST plants are beautiful only when in blossom, which is a small part of the year, but there are plants which are alike attractive, decorative and beautiful in winter as well as summer. Such are the Palms, the Ferns and the many foliage-plants of all kinds.

Palms are among the noblest and most decorative of plants. While in our glass-houses we cannot approach the grandeur and magnificence of specimens growing in the open air in the tropics, still we can show many fine specimens from 10 to 25 feet in height, and many species early take on their stately form and are as beautiful when a foot high as when twenty times that height. The small specimens can be used for any purpose, almost—for the parlor, for the hall, for table decoration, etc.—while the larger ones are the grandest and most showy plants that can be had for decorating churches, ball-rooms, etc.

As beautiful and almost as easy of treatment are the Tree-ferns, with their branching finely divided fronds giving them an individuality equal to that of the Palms. Then there are the smaller Ferns, beautiful in color, texture and outline, and useful for all decorative purposes.

Other plants among the hundreds cultivated in our houses for the beauty of their foliage, are the following:

**Cycads**, with spreading, coriaceous, pinnately divided fronds; grand for decorative purposes.

**Araucarias**. Strangely symmetrical evergreen conifers from New Zealand and the islands of the South Pacific.

**Dracænas** in great variety, with broad green leaves, marked or banded with white or red.

**Bromeliad** (called Lobster-orchids), with thick hard leaves with spiny edges; air-plants which, like orchids, grow on the trees in their native home.

**Pandanus**, or Screw-pines, with leaves arranged in spiral form.

**Nepenthes**, or Pitcher-plants, with leaves grown out into pitcher-like appendages, which hold water and trap insects.

**Alocasias**, with immense broad leaves, often curiously marked.

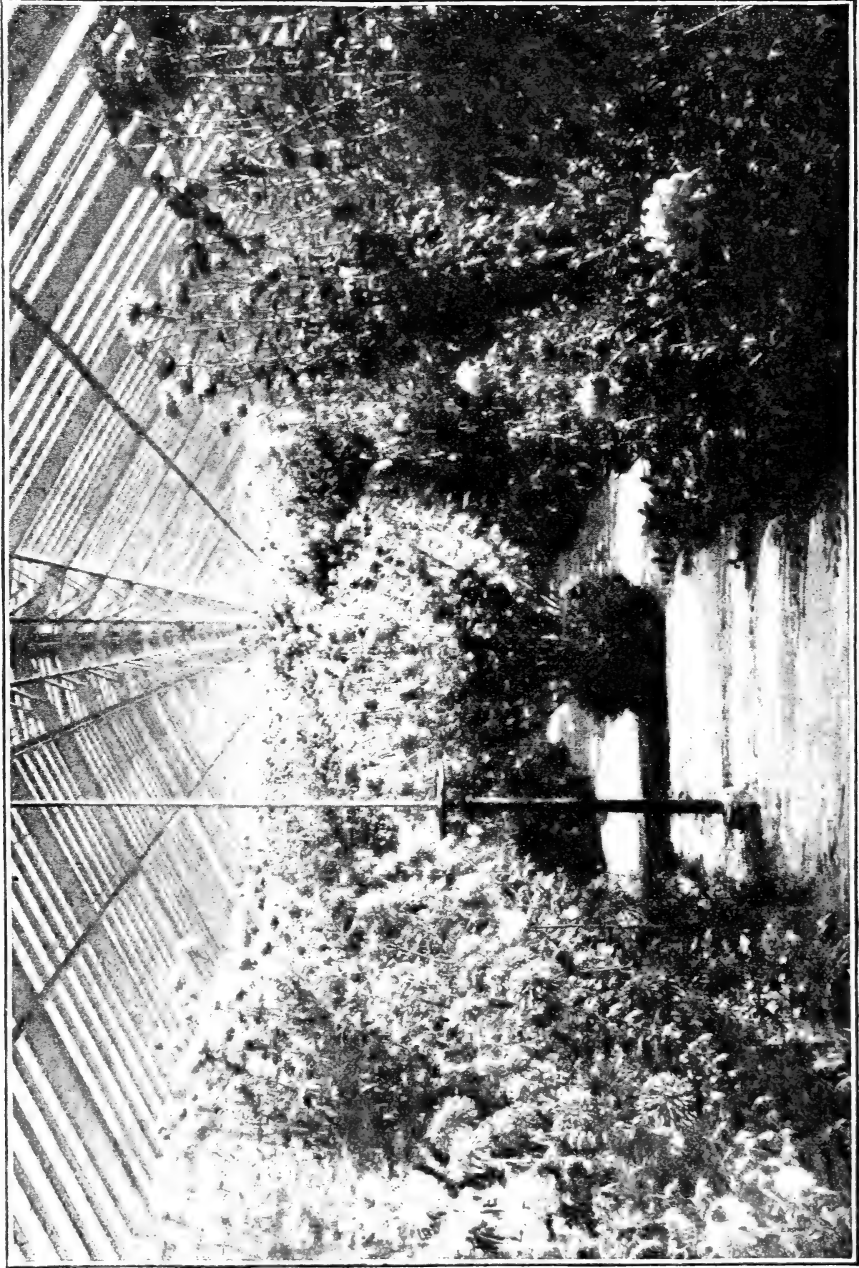
**Anthuriums**, with their bright red, or in some varieties white or pink spathes, and glossy green leaves.

We are always glad to give estimates for filling greenhouses and conservatories, and solicit correspondence from all who contemplate building new greenhouses or making additions to their collections.

For varieties and descriptions, see our General Catalogue, illustrated.

---

Bulbs offered singly or by the dozen are sent by mail, prepaid, at the prices quoted.



A View in One of our Chrysanthomum-Houses.

# Chrysanthemums.

**W**HEN frost has devastated the glories of the summer garden, and before many greenhouse plants have come into bloom, then is the reign of the "Queen of Autumn," the "Golden Flower."

For several years the Chrysanthemum has been growing in popular favor, and it has not yet reached its zenith, for each autumn new, beautiful and striking forms are shown, either new importations from Japan or triumphs of the horticulturist's art. No other flowers equal the Chrysanthemum in variety of form and color. We have them all the way from  $\frac{1}{2}$  inch to 13 inches in diameter, and in every color, shade and tint, blue alone excepted. And in character and outline they are as different and varied. The single section have only the outer row of rays, like a Marguerite; the Pompon section comprises little button-like flowers with petals close-crowded in a hemisphere; the Anemone-flowered section has a row of long petals at the circumference, while those of the center are short and close-set; the Chinese section have their petals regularly reflexed or incurved; the Japanese section, which includes the largest flowers, are usually irregular, varying greatly in size, form and color, and are the most esteemed. Within a few years we have a new class—the feathery Chrysanthemum—of which Mrs. Alpheus Hardy was the original type, but which has been followed by W. A. Manda, and of which others will no doubt be originated or introduced.

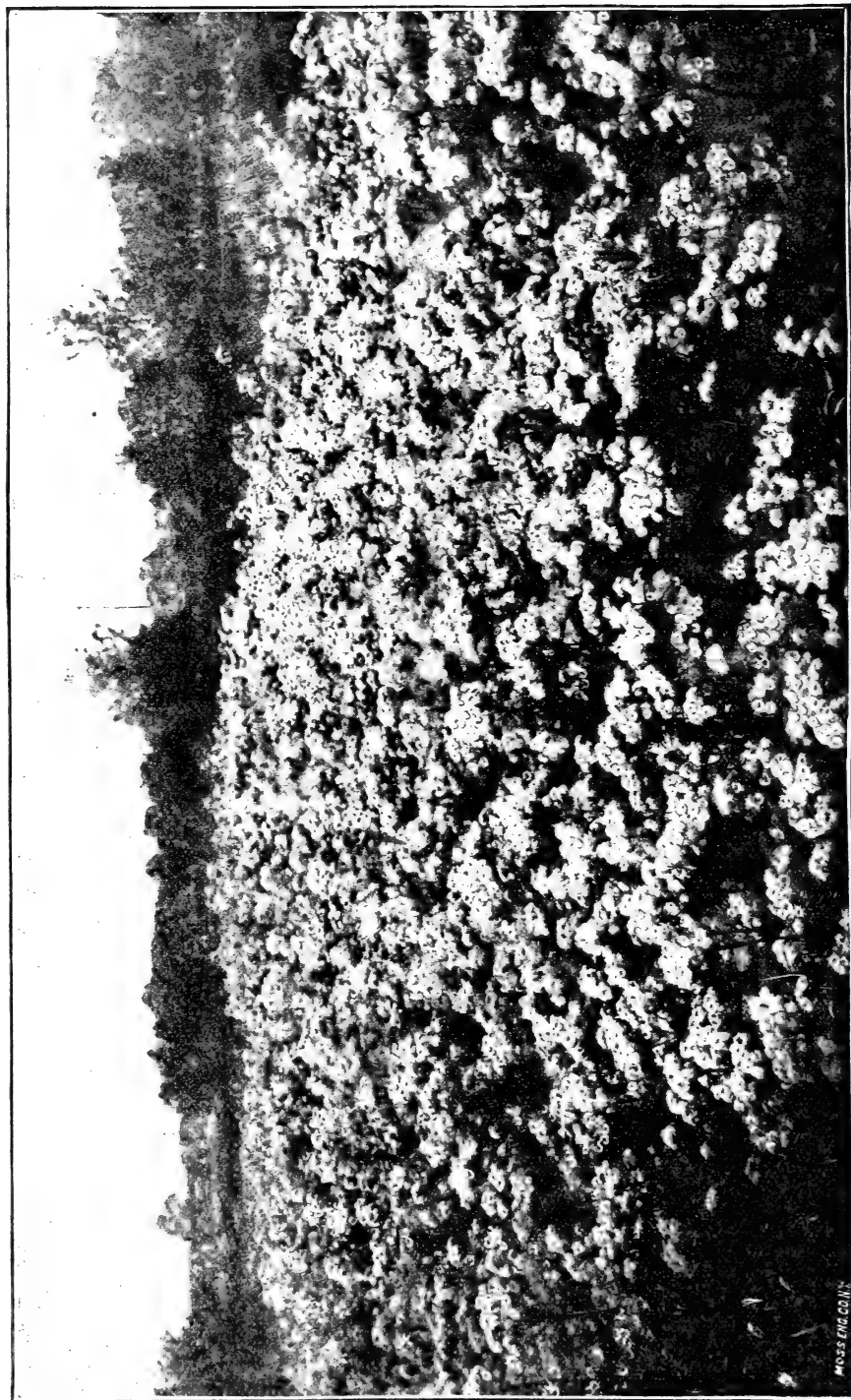
Mrs. Alpheus Hardy was distributed from our establishment, we having paid \$1,500 for the parent plant—the highest price ever paid for a Chrysanthemum. We also introduced this year W. A. Manda, as well as many of the best and most esteemed varieties in other sections.

The present autumn we shall have the finest display of Chrysanthemums ever gotten together in this country, including a number of new importations and new seedlings, and a visit to Short Hills in November will be a treat to every lover of flowers.

The culture of Chrysanthemums is very simple, and any one may have a few plants of his own. In spring plants may be purchased at a few cents each, which will bear a wealth of bloom the next autumn. Many of the best varieties, especially the Pompon and the Chinese sections, are hardy, while the Japanese section should be treated as half-hardy.

The only autumn flowers which can compare with the Chrysanthemum in variety of color are the Dahlias. The double Dahlia is not highly esteemed at the present time, but the single Dahlia has been rising in favor of late years, and its pretty flowers well deserve recognition.

For varieties and descriptions, see our General Catalogue, illustrated.



MOORE ENGINE CO. INC.

ACHILLEA, "THE PEARL." The best Double White Hardy Plant. 25 cents each, \$2 per dozen.

## Hardy Herbaceous Plants.

**B**Y THIS TERM is meant such plants as may be set in the open ground, which will thrive without protection in the winter, and whose foliage dies down to or near the ground each autumn. We have devoted much attention to this class of plants for several years, and now have a collection which comprises all the old garden favorites and our best native varieties, as well as many importations from Europe, north Asia and Japan, Australia, etc. No plants are more useful and none more ornamental. They are border plants *par excellence*, for with proper arrangements of sorts the border will be rich with bright-colored flowers from the time the snow leaves in March till it comes again in November. They are also as useful for beds, planting in rockeries, in low marshy places, by margins of lakes, etc., and throughout the summer flowers may be cut from them in great profusion. They require little care—a fairly good soil to start with, occasional enrichings, a little cultivation, perhaps, in spring to eradicate the perennial weeds, and the cutting down of the old dead tops is all that is needed.

Among the grand flowers that have been cultivated and improved for ages, which we offer in this department, are the following :

**Pæonia**, varying in color from the most brilliant crimson through all shades of rose and pink to white, many being delicately sweet-scented.

**Iris**, with flowers of varied colors—blues, reds, whites, yellows—rivaling in their delicate shadings and quaint combinations, as well as their odd shape, the orchid-blossoms of the tropics.

**Clematis**, the best of climbers, with gorgeous flowers of scarlet, royal purple, white and all shades of salmon, mauve, etc., many being striped and barred.

**Delphinium** (Larkspur), with its spikes of blue and white; **Aquilegia** (Columbine), many new sorts, as well as the old garden favorites; **Campanula** (Bellflower), blue and white, both double and single; **Pyrethrum**, Daisy-like flowers of a hundred different styles and shades and colors; **Phlox**, old garden favorites, with improvements in freedom of flowering, habit of growth, etc.; **Primula** (Primrose), **Poppy**, **Violet**, etc., etc.

Our native flora contains examples as beautiful and pleasing as any produced in any quarter of the globe. Many of them blooming, as they do, in distant sections, or, being local in their habitat, are seldom seen except by the most zealous seeker. Others, as the Goldenrod, the Aster, etc., grow by every roadside and light up the fading autumn days.

We are prepared at all times to make lists of plants suitable for any position, or to give estimates of the cost of planting grounds of any size. Correspondence with any one laying out extensive places is solicited.

For descriptions, varieties and prices, see our General Catalogue with 100 full-page engravings.

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Ornithogalum . . . . .	43	Seeds, Flower . . . . .	51	Tritoma uvaria grandi-	
Oxalis . . . . .	45	Seeds, Fruit . . . . .	65	flora . . . . .	49
Oyster-Plant . . . . .	63	Seeds of Showy Flowers		Tritonia crocata . . . . .	49
Oyster-Plant, Black . . . . .	63	for Conservatory, Home		Tropæolum . . . . .	55
Pæonia . . . . .	45	and Garden . . . . .	51	Tulips . . . . .	13
Palms . . . . .	76	Seeds, Sundry Agricultu-		Tulips, Botanical . . . . .	17
Pancratium . . . . .	46	ral . . . . .	65	Tulips, Late Flowering . . . . .	17
Pansy . . . . .	53	Seed, Tobacco . . . . .	64	Tulips, Mixed Double . . . . .	15
Parsley . . . . .	62	Seeds, Vegetable . . . . .	58	Tulips, Mixed Single . . . . .	15
Parsnip . . . . .	62	Smilax . . . . .	55	Tulips, Named Double . . . . .	15
Peas . . . . .	62	Snowdrops . . . . .	46	Tulips, Named Single . . . . .	13
Pepper . . . . .	62	Sorghum . . . . .	65	Tulips, Parrot . . . . .	17
Phlox Drummondii . . . . .	55	Sorrel . . . . .	63	Tulips, Variegated and	
Potatoes . . . . .	63	Sparaxis tricolor . . . . .	47	Striped . . . . .	15
Primula . . . . .	55	Spinach . . . . .	64	Turnip . . . . .	64
Pumpkin . . . . .	63	Spiræa . . . . .	47	Verbena . . . . .	55
Radish . . . . .	63	Spiræa aurea reticulata . . . . .	47	Vinca . . . . .	55
Ranunculus, Double . . . . .	46	Spiræa Japonica . . . . .	47	Viola odorata . . . . .	55
Rhubarb . . . . .	63	Spiræa Japonica grandi-		Water-Cress . . . . .	60
Rutabaga . . . . .	65	flora . . . . .	47	Whitlavia . . . . .	55





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DWARF CALLA—"THE GEM."—(For description and price see page 33.) •